

Since 1989

# NAVYUG UDYOG

An ISO 9001, CE, WHO-GMP Certified Company



Quality Unmatched....!

**Product Catalogue  
cum Price List  
2017-2018**



Egg  
Incubator



Bacteriological  
Incubator



B.O.D.  
Incubator

Manufactures & Suppliers  
HEATING  
REFRIGERATION  
PHARMACEUTICAL  
CLEAN AIR SYSTEMS  
DIGITAL INSTRUMENTS  
GENERAL PURPOSE EQUIPMENTS  
LABORATORY METAL INSTRUMENTS

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WORLDWIDE QUALITY CERTIFICATIONS

Certificate

of Approval

This is to Certify that the

Quality Management System

at

NAVYUG UDYOG

Company Name :

Located :

Off:- 719, Ram kishan Colony, Opp Millap Bakery, Ambala Cantt-133001, Haryana (INDIA).  
Works:- 380, HSHDC, Saha, Distt. Ambala, Haryana.

Has been Examined by Assessor of WorldwideQuality Certifications and Found Complying with the requirements of

ISO 9001:2008

In Respect of the following activities

Manufacturing & Supply of Scientific Electrical Goods such as Hot Air Ovens, Incubators, Water Still, Furnaces, Stirrers, Water Bath, Hot Plate, Tray Dryers, Industrial Dryers, Scooter Painting Dryer

Certificate Number : IN-1152AH

Date of issue : 26-DEC-2015

Expiry Date : 25-DEC-2018

Authorization

\*This certificate remains the property of WWQC & must be returned on demand. Further clarification regarding the scope of the certificate & the applicability of ISO 9001:2008 requirements may be obtained by consulting the organization. For more information enquire at www.worldwidequalitycertifications.com



EUROCERT CERTIFICATIONS (UK) LTD.

Certificate of Conformity

This is to Certify that the Management System of

NAVYUG UDYOG

1<sup>st</sup> Unit- 380, HSHDC, SAHA, AMBALA, HARYANA - 133001, INDIA/

2<sup>nd</sup> Unit- 719, RAM KISHAN COLONY, AMBALA CANTT, HARYANA - 133001 INDIA/

Has been assessed and found complying with the requirements of "Good Manufacturing Practice" as laid down by "World Health Organization" which has been in accordance with the requirements of

WHO-GMP

For Use as

MANUFACTURER, SUPPLIER & EXPORTERS/TRADERS & DISTRIBUTORS OF QUALITY LABORATORY AND HEATING

Certificate No : 11447

Date of Initial registration : 10<sup>th</sup> Dec. 2013

1<sup>st</sup> Surveillance on or before 10<sup>th</sup> Dec. 2014

2<sup>nd</sup> Surveillance on or before 10<sup>th</sup> Dec. 2015

Issue Date : 10<sup>th</sup> Dec. 2013

Expiry Date: 10<sup>th</sup> Dec. 2018

Authorized Signatory



EUROCERT CERTIFICATIONS (UK) LTD.

Certificate of Compliance

We hereby declare that the technical file of

NAVYUG UDYOG

1<sup>st</sup> Unit- 380, HSHDC, SAHA, AMBALA, HARYANA - 133001, INDIA/

2<sup>nd</sup> Unit- 719, RAM KISHAN COLONY, AMBALA CANTT, HARYANA - 133001 INDIA/

Has been assessed & found to be in conformance with the provisions and facts by the requirements of Low Voltage Directive 2006/95/EC & Energy Efficiency Directive 2005/60/EC Product Description:- Electrical & Scientific Laboratory Instruments

The Certificate being for compliance is issued on the condition that the manufacturer shall continue to be in conformance with the requirements of the above mentioned Directives and shall be subject to continuous surveillance as laid down in the applicable provisions of EN 45013.

Certificate No : 11448

Date of Initial registration : 10<sup>th</sup> Dec. 2013

1<sup>st</sup> Surveillance on or before 10<sup>th</sup> Dec. 2014

2<sup>nd</sup> Surveillance on or before 10<sup>th</sup> Dec. 2015

Issue Date : 10<sup>th</sup> Dec. 2013

Expiry Date : 10<sup>th</sup> Dec. 2018

Authorized Signatory



# NAVYUG INDIA

*Quality Unmatched....!*

**ISO 9001: 2008/CE-GMP/WHO Certified co.**



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- **Works-2** : #380, HSIIDC, Industrial Estate, Saha-Ambala



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## **Term & Conditions:**

- The prices are ex-works Ambala only i.e. packing forwarding, freight and insurance will be charged extra.
- The prices can be changed without prior notice depending on Market Fluctuation of Raw material, labour or any other allied factors.
- All taxes and duties will be charged extra as per Govt. Rules applicable at the time of supply.
- Delivery within 2-3 days if stock available, if not, it will take 2-3 weeks.
- 40% value of order should be sent in advance, for balance, documents will be negotiated through the bank or VPP/LC
- Goods are very securely packed and our responsibilities ceases when we deliver the goods to Transport, Railway or any other carrying agents. However specific instructions may be sent for insurance along with the order.
- Inspection, if any, will be done at our works premises.
- This price list cancels all our previous issues or quotations.

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Specifications and design of instruments are subject to change without any notice or obligation on the part of manufacturer for the advancement or modernisation.



Navyug Udyog is one of the leading independent manufacturers & suppliers of Heating and Refrigeration Equipment and all types of Lab Equipment for Educational Institutions, Research & Industries. Our high quality Research Equipment and Apparatus encompass almost all areas of Science application.

Navyug Udyog was established in 1989 and has grown into one of India's leading Science Industries. Where we offer comprehensive and diverse product range by an experienced and committed staff and management team providing competitive prices for our customers.

By releasing Navyug's 2016 Catalogue-cum-Price List I would like to thank our esteemed customers for believing in us and making us the top suppliers of laboratory equipment across the country. And here I also congratulate our workforce & management team for their ethics, integrity and innovative creativity.

We are in manufacturing of scientific laboratory equipment for nearly three decades. Our workshop is fully equipped with modern and latest machines and equipment with a dedicated team of experts for quality control at every step.

In the end, I sincerely thank all patrons and clients for their indulgent co-operation by assuring that all enquiries and valued orders will receive our best and prompt attention.

Satish Kumar  
(CEO)





## **HOT AIR UNIVERSAL OVEN (Memmert Type)**

Temperature upto 250°C Accuracy  $\pm 1^\circ\text{C}$  double walled,  
inner chamber of anodized Aluminium/Stainless Steel, Elements on three sides.  
(Thermostatic/Digital Control options)



**NU-101**



## OVENS

### NU-101 HOT AIR UNIVERSAL OVEN (Mettmert Type)

Temperature upto 250°C Accuracy ± 1°C double walled, inner chamber of anodized Aluminium/Stainless Steel, Elements on three sides.

	Chamber Size (HxWxD)		No. of Shelves	Capacity(approx.) liters.	Aluminium Chamber	S.S Chamber
	mm	Inches.				
A	300 x 300 x 300	(12"x12"x12")	2	28	6000.00	8400.00
B	350 x 350 x 350	(14"x14"x14")	2	45	6600.00	9000.00
C	400 x 400 x 400	(16"x16"x16")	2	65	9200.00	12000.00
D	450 x 450 x 450	(18"x18"x18")	2	95	10200.00	13000.00
E	600 x 450 x 450	(24"x18"x18")	2	125	13500.00	19600.00
F	600 x 600 x 600	(24"x24"x24")	2	224	16200.00	23300.00
G	900 x 600 x 450	(36"x24"x18")	2	252	21600.00	33600.00
H	900 x 600 x 600	(36"x24"x24")	2	336	26000.00	40500.00
I	900 x 900 x 900	(36"x36"x36")	3	720	40500.00	65000.00

**Optional:**

(i) Air circulating fan	3000.00
(ii) Timer 0-24 hours	2800.00
(iii) Digital temp. Indicator-cum-Controller	6600.00
(v) Microprocessor PID digital temp. Indicator-cum-controller with timer	12000.00
(vi) Digital temp. indicator.	3400.00

**Note:** Please ask for other capacities of your requirement.



NU-101

### NU-102 DRYING OVEN INDUSTRIAL

Double walled and double door. Temperature controlled by thermostat with dial type thermometer. Forced air blower. Chamber MS.

	Chamber Size (HxWxD)		
	mm	Inches.	
A	900 x 600 x 600	(36"x24"x24")	51400.00
B	1200 x 900 x 900	(48"x36"x36")	61000.00
C	1500 x 900 x 900	(60"x36"x36")	83000.00
D	1800 x 1200 x 900	(72"x48"x36")	88000.00

**Optional:**

(i) Timer 0-24 hours	2800.00
(ii) Digital temp. Indicator-cum-Controller.	6600.00
(iii) Digital temp. Indicator	3400.00

**Note:** Please ask for other capacities of your requirement.



NU-102

### NU-103 TRAY DRYER

Double walled and double door. Temperature controlled by thermostat with dial type thermometer. Forced air blower.

	Chamber Size (HxWxD)		Tray	Tray Capacity Inches.	Outer Inner		Inner S.S.	Inner M.S.
	mm				S.S.	G.M.P.		
A	430 x 840 x 650		8 tray	16"x32"x1¼"	97600.00		46200.00	42000.00
B	430 x 840 x 910		12tray	16"x32"x1¼"	109000.00		56600.00	50400.00
C	910 x 840 x 910		24tray	16"x32"x1¼"	168000.00		81800.00	68000.00
D	960 x 1270 x 1450		48tray	16"x32"x1¼"	285000.00		136500.00	111000.00
E	960 x 1700 x 1700		96tray	16"x32"x1¼"	395000.00		205000.00	157500.00

**Optional (NU-103)**

(i) Timer 0-24 hours.	2800.00
(ii) Digital temp. Indicator-cum-Controller.	6600.00
(iii) Tray 16"x32"x1¼" size. AL	800.00
(iv) Tray 16"x32"x1¼" size. SS	1500.00



NU-103





## BACTERIOLOGICAL INCUBATOR

Temp. range from room to 90°C. Double door, with glass window.  
Inner chamber of anodized aluminium/stainless steel sheet.  
(Thermostatic/Digital Control options)



**NU-107**



## NU-106 OVEN VACCUM

Inside chamber made of stainless steel & outside mild steel. Temperature range from 50° to 130°C without vacuum pump. Thermostatic control with glass door to work 220/230 Volts AC supply.

	Chambers size in mm		
	Dia x Depth	Capacity. (Approx.)	
<b>A</b>	250 x 300	12 ltrs.	26000.00
<b>B</b>	300 x 300	24 ltrs.	28000.00
<b>C</b>	300 x 500	40 ltrs.	34000.00

**Optional :**

- (i) Digital temp. Indicator-cum-Controller. 6600.00
- (ii) Microprocessor PID digital temp. Indicator-cum-controller with timer. 12000.00
- (iii) Digital temp. indicator 3400.00



NU-106

## INCUBATORS

### NU-107 INCUBATORS RACTERIOLOGICAL

Temp. range from room to 90°C. Double door, with glass window. Inner chamber of anodized aluminium/stainless steel sheet.

	Chamber Size(HxWxD)		No.of Shelves	Capacity (Approx.)	Alluminium Chamber	S.S. Chamber
	mm	Inches				
<b>A</b>	300 x 300 x 300	(12"x12"x12")	2	28 ltrs.	6200.00	8600.00
<b>B</b>	350 x 350 x 350	(14"x14"x14")	2	45 ltrs.	6800.00	9200.00
<b>C</b>	400 x 400 x 400	(16"x16"x16")	2	65 ltrs.	9400.00	12200.00
<b>D</b>	450 x 450 x 450	(18"x18"x18")	2	95 ltrs.	10400.00	13200.00
<b>E</b>	600 x 450 x 450	(24"x18"x18")	2	125 ltrs.	13400.00	19800.00
<b>F</b>	600 x 600 x 600	(24"x24"x24")	2	224 ltrs.	16500.00	23500.00
<b>G</b>	900 x 600 x 450	(36"x24"x18")	2	252 ltrs.	21800.00	33800.00
<b>H</b>	900 x 600 x 600	(36"x24"x24")	2	336 ltrs.	26300.00	41800.00
<b>I</b>	900 x 900 x 900	(36"x36"x36")	3	720 ltrs.	41300.00	66500.00

**Optional :**

- (i) Air Circulating Fan. 3000.00
- (ii) Timer 0-24 hours.2 2800.00
- (iii) Digital temp. Indicator-cum-Controller. 6600.00
- (iv) Microprocessor PID digital temp. Indicator-cum-Controller with timer 12000.00
- (v) Digital Temp. Indicator. 3400.00



NU-107

### NU-107A DRY BATH INCUBATORS

Incubators Block of 25 slots  
Micro controller design for precise temperature  
To wore off 220 volt 50 Hz

15000.00



NU-107 A



### NU-108 EGG. INCUBATOR

Manual tilting device. Temp. 5°C ambient to 60°C Humidity uncontrolled.

	Capacity	
A	50 eggs.	26000.00
B	100 eggs.	36000.00
C	200 eggs.	54000.00
D	250 eggs.	70000.00

**Optional :**

(i) Hygrometer (Humidity Indicator).	1700.00
(ii) Digital Temp. Controller-cum-Indicator.	6600.00
(iii) Tilt Tilt Device	7000.00
(iii) Microprocessor PID digital temp. Indicator-cum-Controller.	12000.00
(iv) Automatic electronic controller with digital display for Temp. & Humidity combined.	31000.00
(v) Automatic voltage Stabilizer 3 KVA (Recommended).	11000.00



NU-108

### NU-109 B.O.D. INCUBATOR

Temp. range 5°C to 50°C with accuracy of ±1°C. Double walled, inside anodized aluminium/ stainless steel and outside M.S. powder coated to work on 220/230 volts A.C. 50Hz.

	Inner Chamber Size in mm (WxDxH)	Capacity in cu.ft.	Capacity in ltrs.	Aluminium Chamber	S.S. Chamber
A	455 x 410 x 610	4 cu.ft.	112 ltrs.	44000.00	50600.00
B	505 x 415 x 830	6.1 cu.ft.	171 ltrs.	52800.00	62700.00
C	565 x 565 x 865	10 cu.ft.	280 ltrs.	68200.00	79800.00
D	650 x 580 x 900	12 cu.ft.	336 ltrs.	75000.00	84000.00
E	700 x 650 x 900	420 ltrs.		81900.00	96500.00

**Optional :**

(i) Timer 0-24 hours day night cycle.	2800.00
(ii) CO <sub>2</sub> air mixer nozzle is provided.	1200.00
(iii) Internal illumination with 3 fluorescent tubes.	6600.00
(iv) Digital temp. Indicator-cum-Controller.	6600.00
(v) Microprocessor PID digital temp. Indicator-cum-controller with digital	12000.00
(vi) Automatic Voltage Stabilizer 3-5 KVA (recommended must.)	11000.00



NU-109

### NU-110 ORBITAL SHAKING INCUBATOR cum B.O.D. INCUBATOR WITH DIGITAL CONTROLLER WITH DIGITAL TIMER & RPM

A	Capacity 16 x 500 ml. Flax temp. 5°C above ambient to 60°C.	98000.00
B	Same as NU-109 but temp. range 5°C to 60°C with lighting arrangement to hold 16 flasks 250ml or 500ml	124000.00



NU-110

### NU-110A ORBITAL SHAKING INCUBATOR WITH ACRALIC HOOD [NEW]

36000.00

### NU-110B WALK-IN-INCUBATOR

Temp. range 5°C to above ambient temp. to 60°C, controlled by digital temperature controller but without humidity arrangement.

Available sizes WxHxD	
1.1 x 2.3 x 1.1 meter	500000.00

### NU-110D WALK-IN-INCUBATOR

Temp. range 10°C to 60°C with controlled humidity up to 95% ±5%

Available sizes WxHxD	
1.1 x 2.3 x 1.1 meter	800000.00



NU-110A

Since 1989

**NAVYUG UDYOG**

An ISO 9001 Certified Company



## **WATER BATH RECTANGULAR (Double Wall)** (Thermostatic/Digital Control options) Temp. upto 99.8°C



**NU-112**



## BATHS

### NU-111 SEROLOGICAL WATER BATH (Thermostatic Water Bath)

Temp. upto 80°C accuracy  $\pm 1^\circ\text{C}$  to work on 220-240 Volt AC 50 Hz.

	size inside chamber (Stainless steel)		Cap. (Approx.)	
A	300x175x175 mm	(suitable for 1 racks)	12 ltrs.	4200.00
B	300x250x175 mm	(suitable for 2 racks)	14 ltrs.	4800.00
C	375x300x175 mm	(suitable for 4 racks)	18 ltrs.	7000.00
D	455x300x175 mm	(suitable for 6 racks)	25 ltrs.	8800.00
E	605x300x175 mm	(suitable for 8 racks)	32 ltrs.	10000.00

**Optional :**

- |  |          |
|--|----------|
| (i) Digital temp. Indicator-cum-Controller.  | 6600.00  |
| (ii) Microprocessor PID digital temp. Indicator-cum-controller with timer          | 12000.00 |
| (iii) Stirrer with 1/20 H.P. high speed motor with stainless stirring rod & blade. | 2600.00  |
| (iv) Digital temp. indicator   | 3400.00  |



NU-111

### NU-111A WATER BATH WITH PUMP

For B.R. Reflectometer. 5600.00



NU-112

### NU-112 WATER BATH RECTANGULAR (Double Wall) (Thermostatic Control) Temp. upto 99.8°C

	Size inside (Stainless Steel)		Cap. (Approx.)	
A	300 x 250 x 100mm	6 holes of 75 mm dia.	8 ltrs.	5000.00
B	355 x 405 x 100mm	12 holes of 75mm dia.	15 ltrs.	7000.00

**Optional :**

- |  |          |
|--|----------|
| (i) Digital temp. Indicator-cum-Controller.  | 6600.00  |
| (ii) Microprocessor PID digital temp. Indicator-cum-controller with timer          | 12000.00 |
| (iii) Stirrer with 1/20 H.P. high speed motor with stainless stirring rod & blade. | 2600.00  |
| (iv) Digital temp. indicator   | 3400.00  |



NU-113

### NU-113 WATER BATH RECTANGULAR (Single Wall)

	Size inside (Stainless Steel)		Cap.(Approx.)	
A	300 x 250 x 100mm	6 holes of 75 mm dia.	8 ltrs.	3000.00
B	355 x 405 x 100mm	12 holes of 75 mm dia.	15 ltrs.	4200.00

### NU-114 WATER BATH PRECISION (Constant Temp. control)

Double walled. Glass window on both opposite sides. Contact thermometer with relay. Complete with stirrer.

	Chamber Size		
A	425 x 250 x 225 mm	(17"x10"x9")	16800.00
B	450 x 375 x 375 mm	(18"x15"x15")	20700.00
C	600 x 450 x 450 mm	(24"x18"x18")	27300.00

**Optional :**

- |   |          |
|---|----------|
| (i) Digital temp Indicator-cum-Controller instead of contact thermometer.                                 | 6600.00  |
| (ii) Microprocessor PID digital temp. Indicator-cum-Controller instead of Constant thermometer with timer | 12000.00 |



NU-114



## NU-114A ULTRA SONIC BATH

	Chamber Size		
A	9" x 5" x 2½"	1.6 ltr.	26500.00
B	12" x 6" x 4"	3.6 ltr.	38000.00
C		Cap. 6 ltr.	52800.00
D		Cap. 9 ltr.	61600.00



NU-114A

## NU-114B WATER BATH PARAFFIN

Thermostatically controlled. Double walled with cups and shelves for glass tubes. Temp. upto 95°C with an accuracy of ± 0.5°C to ± 1°C. Stainless steel. Inner SS, Outer MS Power Coated

A	4 cups & 6 sleeves.	5050.00
B	6 cups & 8 sleeves.	5500.00
C	12 cups & 14 sleeves.	7700.00



NU-114B

## NU-115 WATER BATH TISSUE FLOTATION

Thermostatically controlled. Double walled, inner chamber of black oxidized aluminium sheet.

	Dia	Depth	
A	200mm x	75mm	4000.00
B	250mm x	125mm	4600.00



NU-115

## NU-115A WAX BATH (Paraffin Dispencer) [NEW]

A	Cap. 1 liter	4500/-
B	Cap. 2 liter	5500/-

## NU-116 OIL BATH (High Temp.) with Stirrer

Temp. upto 350°C

	Chamber size		
A	250 x 250 x 250 mm	(10"x10"x10")	11000.00
B	300 x 300 x 250 mm	(12"x12"x10")	11600.00
C	350 x 350 x 250 mm	(14"x14"x10")	15000.00

### Optional :

(i)	Mercury contact thermometer and relay with accuracy better than 1°C.	2400.00
(ii)	Digital temp. Indicator-cum-controller.	6600.00
(iii)	Microprocessor PID digital temp. Indicator-cum-controller with timer	12000.00
(iv)	Digital Temp. Indicator.	3400.00

## NU-117 UNIVERSAL WATER BATH (Dual Purpose)

Thermostatically controlled. Doubled walled with one pyramidal and other rectangular holes with concentric rings.

	Chamber size		Capacity (Approx.)	
A	300 x 225 x 175 mm	(12" x 9"x7")	14 ltrs.	6600.00
B	450 x 300 x 175 mm	(18"x12"x7")	25 ltrs.	9000.00

### Optional :

(i)	Stirring arrangement with Stainless Steel rod & blades.	2600.00
(ii)	Digital temp. indicator.	3400.00
(iii)	Digital temp. Indicator-cum-Controller.	6600.00
(iv)	Microprocessor PID digital temp. Indicator-cum-Controller	12000.00



NU-115 A



NU-116





## NU-118 CONSTANT TEMPERATURE REFRIGERATION - LIQUID BATH (Cooling Bath)

Double wall, glass window on both opposite side, temp. 5°C to 95°C accuracy  $\pm 5^\circ\text{C}$  to work 220-240 volt AC. Fitted with digital temp. Indicator-cum-Controller instead of contact thermometer.

Chamber size	Capacity (Approx.)	
500 x 250 x 250 mm	32 ltrs.	66000.00



NU-118

## NU-119 REFRIGERATED LIQUID BATH

Temp.  $-5^\circ\text{C}$  to  $90^\circ\text{C}$ . Fitted with digital temp. Indicator-cum-Controller instead of contact thermometer.

Chamber size	Capacity (Approx.)	
450 x 300 x 300 mm	42 ltrs.	76000.00

## NU-120 WATER BATH INCUBATOR SHAKER (Metabolic Shaking Incubator)

Temp. range from ambient to  $90^\circ\text{C}$ . This is double walled unit inside made of thick S.S. sheet and outside M.S. powder coated, supplied complete with shaking tray, water bath cover to work on 220 volt 50Hz A.C. supply.

	Shaking tray Size (Stainless Steel)	Capacity (Approx.)	
A	275 x 275 x 150 mm	12 ltrs.	29000.00
B	405 x 300 x 150 mm	18 ltrs.	35000.00



NU-120

### Optional :

(i) Digital temp. Indicator.	3400.00
(ii) Digital temp. Indicator-cum-Controller.	6600.00
(iii) Microprocessor PID digital temp. Indicator-cum-Controller.	12000.00
(iv) Shaking tray for 25ml, 50ml, 100ml, 250ml 500ml & 25mm dia. test tubes or conical flasks.	2400.00



## DISTILLATION STILLS

### NU-121 WATER STILL (Manasty Type)

Wall hanging casted aluminium body.

	Output Capacity (Approx.)	
A	Output approx 2 litres per hour.	7600.00
B	Output approx 3 to 4 litres per hour.	9000.00
C	Output approx 5 to 6 litres per hour.	10600.00



NU-121

### NU-122 WATER STILL (Manasty Type)

Wall hanging stainless steel

	Output Capacity (Approx.)	
A	Output approx 2 to 3 litres per hour.	4200.00
B	Output approx 3 to 4 litres per hour.	4600.00
C	Output approx 5 to 6 litres per hour.	5800.00



NU-122

### NU-123 WATER STILL (Barnstead Type) Table Model

S.S. double wall body

	Output Capacity (Approx.)	
A	Output approx 8 to 9 litres per hour.	34600.00
B	Output approx 15 to 16 litres per hour.	60000.00
C	Output approx 25 to 26 litres per hour.	104000.00

## FURNACE

### NU-125 RECTANGULAR MUFFLE FURNACE (Laboratory Model)

Working temp. 900°C maximum temp. 1000°C. Fitted with energy regulator, thermocouple and pyrometer.

	Inner Muffle size in mm & inches		
A	225 x 100 x 100	(9"x4"x4")	11200.00
B	250 x 125 x 125	(10"x5"x5")	12100.00
C	300 x 125 x 125	(12"x5"x5")	17000.00
D	300 x 150 x 150	(12"x6"x6")	17200.00
E	300 x 200 x 200	(12"x8"x8")	25400.00
F	350 x 175 x 125	(14"x7"x5")	26500.00
G	475 x 175 x 125	(19"x7"x5")	30000.00
H	450 x 225 x 225	(18"x9"x9")	37000.00



NU-125

**Optional :**

- (i) Digital temp. Indicator-cum-Controller instead of energy regulator and pyrometer. 6600.00
- (ii) Microprocessor PID digital temp. Indicator-cum-controller instead of energy regulator, pyrometer. 12000.00





### NU-126 RECTANGULAR MUFFLE FURNACE (Industrial)

Temp. 1200 °C fitted with digital controller.

	Inner Muffle size in mm & inches		
A	225 x 100 x 100	(9"x4"x4")	26400.00
B	250 x 125 x 125	(10"x5"x5")	30000.00
C	300 x 150 x 150	(12"x6"x6")	37000.00
D	300 x 200 x 200	(12"x8"x8")	43900.00
E	450 x 225 x 225	(18"x9"x9")	60000.00

**Optional:**

- (i) Microprocessor PID digital temp. Indicator-cum-controller instead of energy regulator, pyrometer. 12000.00



NU-126

### NU-126A HIGH TEMP MUFFLE FURNACE [NEW]

The unit is specially designed to meet the requirement of High Temperature 1400°C, the casing is made of M.S. reinforced with iron angles duly painted, Chamber made of Ceramic Zirconium Board and elements are placed Horizontally in the chamber. Heating is done by imported Silicon Carbide Rods duly controlled by accurate step down Transformers (Air cooled), it saves energy upto 30% with easily replaceable Carbide Rods. These Furnaces have outstanding Temperature reliability and has large surface radiation ratio to enhance thermal efficiency and power consumption. Control panel is fitted with Digital Temperature Indicator cum Controller upto 1400°C Control panel is provided separately having Ammeter Volts Meter and Digital Controller, etc. Maximum Furnace Temperature upto 1400°C, working Temperature upto 1350°C operatable in 220 Volts Single Phase AC supply.



NU-126A

	Muffle Size (W x H x D) Rating	
A	100 x 100 x 225 m.m.	78000.00
B	125 x 125 x 250 m.m.	88000.00
C	150x 150 x 300 m.m.	95000.00
C	200x 200 x 300 m.m.	100000.00

### NU-126 B CORBON & SULPHUR APPARATUS [NEW]

38000.00

### NU-127 MAGNETIC STIRRER

With heating system

	Capacity	
A	1 liter.	2800.00
B	2 ltrs.	3000.00
C	5 ltrs.	6000.00

### NU-128 LABORATORY STIRRER

5400.00

**Optional:**

- (i) Automatic 0-60 minutes Timer. 1200.00

### NU-129 TISSUE HOMOGENISER

1/20 H.P. motor speed controlled. Complete with tissue homogenizing cup and rod is made of staisless steel.

A	Homogenizing Vessel 25 ml	6000.00
B	Homogenizing Vessel 50 ml	6600.00
C	Homogenizing Vessel 100 ml	7800.00



NU-127



NU-126B



NU-128



NU-129



## HEATING MANTELS

### NU-130 HEATING MANTLES

Made of glass yarn, with energy regulator & on off switch to work 220 volt AC.

	Capacity	Wattage	Spair Mantel	Complete
A	50 ml.	60	170.00	1100.00
B	100 ml.	60	180.00	1200.00
C	250 ml.	150	200.00	1250.00
D	500 ml.	200	260.00	1400.00
E	1 liter.	300	320.00	1700.00
F	2 ltrs.	450	450.00	1950.00
G	3 ltrs.	450	520.00	2300.00
H	5 ltrs.	600	700.00	3400.00
I	10 ltrs.	2 x 500	1200.00	5400.00
J	20 ltrs.	4 x 500	1750.00	7200.00



NU-130



NU-131



NU-131D



NU-132



NU-133

## HOT PLATES

### NU-131 HOT PLATES

A	A) ROUND, SINGLE, 20 cm (8") dia. moulded top.	1800.00
B	B) ROUND, DOUBLE, Two plates of 20 cm (8") dia.	3200.00
C	C) COIL TYPE, 20 cm (8") dia.	1900.00

**Note :**

(I) Sunvic energy regulator extra cost.

### NU-131D HOT PLATES (Rectangular)

Following standard sizes are available		
A	30 x 25 cm (12"x10")	2800.00
B	40 x 25 cm (16"x10")	3500.00
C	45 x 30 cm (18"x12")	4500.00
D	60 x 45 cm (24"x18")	10000.00

**Note :**

(I) Sunvic energy regulator extra cost.

### NU-132 SLIDE WARMING TABLE

Thermostatically controlled uniform temp. from room to 80°C top made of anodized aluminium/stainless steel.

	Top plate size (Length x Width)		Al. Top	S.S. Top
A	30 x 25 cm	(12"x10")	2000.00	2200.00
B	40 x 25 cm	(16"x10")	3000.00	3400.00
C	45 x 30 cm	(18"x12")	3700.00	4100.00
D	60 x 15 cm	(24" x 6")	3750.00	4150.00

## SHAKING MACHINES

### NU-133 ROTARY SHAKER (VDRL Rotator) Variable Speed

Carrier size 13" x 13" fitted with geared motor with concentric motion along with time switch range 0 to 15 minutes. Operated on 220/230 volts.

with timer 7000.00



## ROTARY SHAKER (Platform Type)

This is a compact bench top model with platform fitted with rubber discs for continuous shaking of solution in flasks of various sizes, mounted on a heavy angle iron frame speed is controlled by electronic speed controller.



**NU-137**



## NU-134 SHAKING MACHINE (Wrist Action)

Efficiently shaking of flask from 100 to 1000ml. Conical or round bottom. Speed 80 to 280 oscillations per minute. Suitable for dissolving, dispersing, extracting and emulsifying. Electrically operated with variable speed control.

Capacity of Holding		
A	4 flasks.	13000.00
B	8 flasks.	14400.00
C	12 flasks.	16000.00

**Optional :**

(I) Automatic 0-60 minutes timer. 1400.00



NU-134

## NU-135 VORTEX SHAKER/CYCLO MIXER (Test Tube Shaker)

A	Touch of finger	3000.00
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NU-135A

## NU-136A RECIPROCATING SHAKING MACHINE (Kahn Rack Type)

	Size of Carrier	Strokes/min.	Motor	Body Type	
A	20" x 13" x 4"	150 to 250	0.25 HP	Covered	19000.00
B	31" x 17" x 4"	150 to 250	0.25 HP	Covered	20000.00
C	36" x 18" x 4"	150 to 250	0.50 HP	Covered	22000.00

**Optional :**

(I) Automatic 0-60 minutes timer. 1400.00

**Note :** Shaking machines of other specification can be offered on demand.



NU-136 A

## NU-137 ROTARY SHAKER (Platform Type)

This is a compact bench top model with platform fitted with rubber discs for continuous shaking of solution in flasks of various sizes, mounted on a heavy angle iron frame speed is controlled by electronic speed controller.

	Platform size	Holding cap.	Motor HP		with SS Lotus Clamp with Digital RPM & Timer
A	45 x 45 cm	25 flasks of 100 ml	0.25	16200.00	24500.00
B	45 x 45 cm	15 flasks of 250 ml	0.25	15000.00	23500.00
C	55 x 55 cm	25 flasks of 250 ml	0.25	20800.00	30500.00
D	65 x 65 cm	36 flasks of 250 ml	0.25	30000.00	41000.00
E	90 x 90 cm	49 flasks of 250 ml	1.00	41600.00	54000.00
F	100 x 100 cm	81 flasks of 250 ml	1.00	54300.00	70000.00
G	100 x 100 cm	81 flasks of 500 ml	1.00	57800.00	74000.00

**Optional :**

(I) 0-60 minutes timer 14000.00

**Note :** Specific sizes & capacity can be offered on demand.



NU-137



### NU-137A ROTARY VACUUM BUCHI EVAPORATOR

Buchi type advance modle provided with thermostically controlled with bath, capacity 1 liter

45000.00

### NU-137B ROTARY VACUUM BUCHI EVAPORATOR

with digital controller cum display 50600.00

### NU-137C SHIEVE SHAKER GRATORY

21000.00

**Optional :**

(I) 0-60 minutes timer. 1400.00

### NU-137D ROTAP SHIEVE SHAKER [NEW]

This can accommodate upto 7 sieves of 6" to 8" Dia. Mainly used for grinding of material which are not gummy or fibrous. The adjustable Post can hold 75 to 135mm Dia mortar. Fitted with ¼ HP motor single phase 220 volts 50Hz.

27000.00



NU-137A



NU-137C



NU-137D

## GENERAL EQUIPMENTS / DIGITAL MELTING / BOILING POINT APPARATUS

**Automatic Microprocessor Controlled with New A.R.P.T. Technology**  
**All Models are Microprocessor Controlled. Automatic Ramp rate proceeding technology. Auto gradient rate of heating control for high precision. "HOLD action (Melting Point Temp. achieved) is protected from power failure in all Models.**

### NU-138A MELTING POINT APPARATUS

2400.00

### NU-138B MELTING POINT APPARATUS

With cooling plug 3600.00



NU-138A

### NU-138C MELTING POINT APPARATUS : DIGITAL (Economical)

18,300-00

Microprocessor Visualization Technique  
 Suitable for Dark Colored / any colored samples.

Temp. Range	Ambient to 350°C
Display	3 Digits
Resolution	1°C
Temp. Sensor	Grade "A" PT-100, Platinum Sensor
Sample Capacity	3-4 Samples
Temp. Control	Microprocessor controlled closed loop PID
Power Supply	230 V ± 10% AC, 50 Hz.
Ramp Rates	2°C to 10°C/minute (Selectable Auto-Low-High),
Power Supply	230 V ± 10% AC, 50 Hz.



DB-138C



Suitable for Melting / Boiling Point, Readability in 1°C, Resolution 1°C, Programmable, Visual provision by Optical Magnifier, Automatic Ramp Rate Proceeding, Auto Gradient Rate of Heating Control. Melting View : Magnifying display of melting operation with the help of magnifying glass, Melting point reading hold on by activating the "MELT" key & reading is protected from power failure till "RESET" is not activated.

**Suitable for Dark Colored / all kind or any colored Samples,**

## NU-138D MELTING POINT APPARATUS AUTOMATIC

35,400-00

**Miniature Furnace Type, Temperature Range : Up to 350°C, LED 4 digit Display.**

Temp. Range	Ambient to 350°C
Display	3 Digits, 4 Digits
Resolution	1°C
Temp. Sensor	Grade "A" PT-100, Platinum Sensor
Sample Capacity	One Sample, Capillary Dimension 1.4 mm
Temp. Control	Microprocessor controlled closed loop PID
Ramp Rates	2°C to 10°C/minute (Selectable Auto-Low-High).
Operation	Auto determination of Melting Point
Power Supply	230 V ± 10% AC, 50 Hz.

The instrument basically consists of a miniature furnace with Auto controlled heating rate arrangement, an air circulating arrangement and a digital temp. indicating circuitry with necessary controls. When the "Start" key is pressed, heating starts. There is Auto detection of Opto-coupled light transmission system, When sample melts, photodiode detects the signal and Melting Temperature put on hold / latched on display automatically. The furnace becomes off and the cooling fan ON simultaneously. The instrument gives audio & visual indications, on reaching the temperature at which the sample melts.



NU-138D

**The Melting Temp. of the sample remain displayed on the panel till the "RESET" switch is operated. Not Suitable for Dark Colored Samples. Opto-coupled light transmission based, Sample required to be transparent at the time of melting.**

**OPERATION : Fully Automatic "Sample Fill and Forget" : All the selection of programming is fully protected from power failure including "HOLD" action of melting temperature. Once the start action is initiated, it will reach to find out the melting point of sample, even multiple time power failure.**

## NU-138E MELTING POINT APPARATUS AUTOMATIC

46,200-00

Temp. Range	Ambient to 350°C
Display	LCD, 16X2 lines alphanumeric display
Resolution	0.1°C
Temp. Sensor	Grade "A" PT-100, Platinum Sensor
Sample Capacity	One Sample, Capillary Dimension 1.4 mm
Temp. Control	Microprocessor controlled closed loop PID
Ramp Rates	2°C to 10°C/minute (Selectable Auto-Low-High).
Operation	Auto determination of Melting Point
Serial Interface	RS-232 C to PC
Memory	100 Samples with Location
Power Supply	230 V ± 10% AC, 50 Hz.



NU-138E



The instrument basically consists of a miniature furnace with Auto controlled heating rate arrangement, an air circulating arrangement and Digital temp. Indication with necessary controls. When the "Start" key is pressed, heating starts. There is Auto detection of Opto-coupled light transmission system, When sample melts, photodiode detects the signal and Melting Temperature put on hold / latched on display automatically. The furnace becomes off and the cooling fan ON simultaneously. The instrument gives audio & visual indications. The Melting Temp. of the sample remain displayed on the panel till the "RESET" switch is operated. Not Suitable for Dark Colored Samples. Opto-coupled light transmission based, Sample required to be transparent at the time of melting.

**OPERATION : Fully Automatic "Sample Fill and Forget" :** All the selection of programming is fully protected from power failure including "HOLD" action of melting temperature. Once the start action is initiated, it will reach to find out the melting point of sample, even multiple time power failure.

### NU-138F MELTING POINT APPARATUS MICROPROCESSOR CONTROLLED

57,000-00

Visualization Technique Suitable for Dark Colored / any colored samples.

Temp. Range	Ambient to 350°C
Display	LCD, 16X2 lines alphanumeric display
Resolution	0.1°C
Temp. Sensor	Grade "A" PT-100, Platinum Sensor
Sample Capacity	One Sample, Capillary Dimension 1.4 mm
Temp. Control	Microprocessor controlled closed loop PID
Ramp Rates	2°C to 10°C/minute (Selectable Auto-Low-High),
Operation	Auto determination of Melting Point
Serial Interface	RS-232 C to PC
Memory	100 Samples with Location
Power Supply	230 V ± 10% AC, 50 Hz.



NU-138F

The instrument basically consists of a miniature furnace with Auto controlled heating rate arrangement, an air circulating arrangement and a digital temp. Indicating circuitry with necessary controls, Visual facility is provided through Magnifying display of melting operation under illumination with the help of magnifying glass, Melting point reading put on hold as soon as melting of sample visualize, by activating to press the "MELT" key & reading is protected from power failure till "RESET" is not activated. Furnace becomes off automatically when the "MELT" key pressed. Melting Temperature of the sample remains displayed on the panel till the "RESET" switch is operated.

**Suitable for Dark Colored / all kind or any colored Samples.**

### Silicon Oil Bath Heating Type ( Melting Point )

### NU-138G MELTING POINT APPARATUS MICROPROCESSOR CONTROLLED

22,800-00

LED 4 digit Display. Visualization Technique  
 Suitable for Dark Colored / any colored samples..

Temp. Range	Ambient to 300°C
Display	4 Digits
Resolution	1°C
Temp. Sensor	Grade "A" PT-100, Platinum Sensor
Sample Capacity	3 Samples and one 8mm provision for Test Tube, for the determination of Boiling Point of Any Liquid.
Application Area	Silicon Oil Bath ( Made of High Temp. Toughened Glass)
Application	Suitable for Boiling & Melting Point
Melting View	Magnifying display of melting operation with the help of adjustable magnifying glass. Melting point reading hold on by activating the "HOLD" key & reading is protected from power failure "RESET" is not activated.till
Heating Control	Microprocessor controlled closed loop PID
Ramp Rates	2°C to 10°C/minute (Selectable Auto-Low-High),
Power Supply	230 V ± 10% AC, 50 Hz.



NU-138G



Automatic Ramp Rate Proceeding, Auto Gradient Rate of Heating Control. The unit consists of in built magnetic stirrer, glare free background illuminator and cylindrical silicon oil bath. The silicon oil bath consists of a plain cylindrical container of corning glass having capacity of about 200 ml. It is furnished with a Teflon cover fitted with special type of oil immersion heater, having three small holes for holding the capillaries, two 6.6mm hole for thermometer (for calibration if required ) and Temp. Sensor, another 8mm hole for Test tube, for the determination of boiling point of any liquid . A variable speed stirrer is fitted in it. The apparatus can be used for determination of boiling points, Temp. effect on viscosity /flow points and molecular weights by Rast's method with suitable

**Suitable for Dark Colored / all kind or any colored Samples,**

## NU-138H MELTING POINT APPARATUS MICROPROCESSOR CONTROLLED

35,400-00

**Visualization Technique Suitable for Dark Colored / any colored samples.**

Temp. Range	Ambient to 300°C
Display	LCD, 16X2 lines alphanumeric display
Resolution	0.1°C
Temp. Sensor	Grade "A" PT-100, Platinum Sensor
Sample Capacity	3 Samples and one 8mm provision for Test Tube, for the determination of Boiling Point of Any Liquid.
Application Area	Silicon Oil Bath ( Made of High Temp. Toughened Glass)
Application	Suitable for Boiling & Melting Point
Melting View	Magnifying display of melting operation with the help of adjustable magnifying glass, Melting point reading hold on by activating the "HOLD" key & reading is protected from power failure till "RESET" is not activated.
Heating Control	Microprocessor controlled closed loop PID
Ramp Rates	2°C to 10°C/minute (Selectable Auto-Low-High),
Serial Interface	RS-232C to PC
Memory	100 Samples with Location
Power Supply	230 V ± 10% AC, 50 Hz.



NU-138H

Automatic Ramp Rate Proceeding, Auto Gradient Rate of Heating Control. The unit consists of in built magnetic stirrer, glare free background illuminator and cylindrical silicon oil bath. The silicon oil bath consists of a plain cylindrical container of corning glass having capacity of about 200 ml. It is furnished with a Teflon cover fitted with special type of oil immersion heater, having three small holes for holding the capillaries, two 6.6mm hole for thermometer (for calibration if required ) and Temp. Sensor, another 8mm hole for Test tube, for the determination of boiling point of any liquid . A variable speed stirrer is fitted in it. The apparatus can be used for determination of boiling points, Temp. effect on viscosity /flow points and molecular weights by Rast's method with suitable accessories.

**Suitable for Dark Colored / all kind or any colored Samples.**





**NU-139 PIPETTE WASHER (Automatic)**

	4800.00
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NU-139

**NU-140 MEDICO/CLINICAL CENTRIFUGE / DOCTOR MODEL**

	Capacity	
A	4 x 15 ml tubes	2300.00
B	6 x 15 ml tubes	2850.00
C	8 x 15 ml tubes	3250.00



NU-140

**NU-140A CENTRIFUGE RECTANGULAR (Research) Capacity**

	Capacity	
A	4 x 15 ml tubes.	9250.00
B	6 x 15 ml tubes.	10400.00
C	8 x 15 ml tubes.	11550.00
D	12 x 15 ml tubes.	12200.00

**Optional :**

(i) Automatic Timer (Manual).	1400.00
(ii) Automatic timer (Digital)	5300.00
(iii) Speed Meter (Manual)	2500.00
(iv) Speed meter (Digital)	5300.00



NU-140A



Doctor Model



## NU-141 VACUUM PUMP

We have the speciality in the manufacturing of high vacuum pumps. The material and technology used in such pumps is latest and gives high performance in all types of laboratory use with special high quality motor for hours of service, properly coupled with and on base.

	Capacity	Motor	Single Stage	Double Stage
A	32 lt/mm	0.25 hp	15000.00	21600.00
B	50 lt/mm	0.25 hp	18000.00	26400.00
C	75 lt/mm	0.25 hp	24000.00	28800.00
D	100 lt/mm	0.5 hp	28000.00	34800.00
E	150 lt/mm	1/2 hp	33000.00	39000.00
F	200 lt/mm	1/2 hp	35000.00	42000.00

**Optional :**

(i) Vacuum Gauge with regulator.	2000.00
(iii) Moisture Trap.	2500.00
(iv) Non-returnable Valve 1/2"	1300.00
(iv) Non-returnable Valve 1"	1700.00
(v) Air Blast.	1000.00



NU-141

## NU-141A VACUUM PUMP (Oil Free)

	Capacity	Motor	Rate
A	15 liter	1/16 hp	9000.00
B	25 liter	1/8 hp	12000.00
C	45 liter	1/6 hp	17000.00
D	75 liter	1/4 hp	20000.00



NU-141A

## NU-142 SOXHLET EXTRACTIONS UNITS (Mantel Type) without glass parts

A	The unit of 3 mantels rating 600 watts.	4200.00
B	The unit of 6 mantels rating 1200 watts.	5500.00

## NU-142A SOXHLET EXTRACTIONS UNITS (Heater Type)

A	A unit of 3 heaters	4200.00
B	A unit of 6 heaters	5500.00

## NU-142B SOXHLET EXTRACTIONS UNITS (Hot Plate Type)

A	A unit of 3 hot plates	4500.00
B	A unit of 6 hot plates	7300.00

## NU-142C SOXHLET EXTRACTIONS UNITS (Bath Type)

(I) Single wall chamber made of stainless steel.

A	A unit of 3 baths	3100.00
B	A unit of 6 baths	5100.00

(II) Double wall inner chamber made of stainless steel.

A	A unit of 3 baths	4800.00
B	A unit of 6 baths	6600.00

**Optional :**

(i) Sunvic energy regulator can be provided with all above units.	400.00
(ii) Glass Part Unit 3	3500.00
(iii) Glass Part Unit 6	6600.00

**Note :** All above units are without glass parts.



NU-142



## NU-143 KJELDHAL UNITS (Without glass parts)

### (I) KJELDHAL DIGESTION UNITS

<b>A</b>	Unit of 3 tests (Heater type)	4600.00
<b>B</b>	Unit of 6 tests (Heater type)	5700.00
<b>C</b>	Unit of 3 tests (Mantel type)	4600.00
<b>D</b>	Unit of 6 tests (Mantel type)	5800.00

#### Optional:

(i)	Fume duct made of PVC. 3 Unit	800.00
(ii)	Fume duct made of PVC. 6 Unit	1500.00
(iii)	Sunvic energy regulator.	400.00
(iv)	Glass Part for 3 Unit	1200.00
(v)	Glass Part for 6 Unit	2400.00

### (II) KJELDHAL DISTILLATION UNITS

<b>A</b>	Unit of 3 tests (Heater type)	6300.00
<b>B</b>	Unit of 6 tests (Heater type)	9650.00
<b>C</b>	Unit of 3 tests (Mantel type)	6400.00
<b>D</b>	Unit of 6 tests (Mantel type)	10400.00

#### Optional:

(i)	Sunvic energy regulator.	400.00
(ii)	Glass Part for 3 Unit	4500.00
(iii)	Glass Part for 6 Unit	9000.00

### (III) KJELDHAL DIGESTION & DISTILLATION UNITS (Combined)

<b>A</b>	Unit of 3 tests (Heater type)	10200.00
<b>B</b>	Unit of 6 tests (Heater type)	15400.00
<b>C</b>	Unit of 3 tests (Mantel type)	10700.00
<b>D</b>	Unit of 6 tests (Mantel type)	19600.00

#### Optional:

(i)	Fume duct made of PVC 3 Unit	800.00
(ii)	Fume duct made of PVC 6 Unit	1500.00
(iii)	Sunvic energy regulator.	400.00
(iv)	Glass Part for 3 Unit	5800.00
(v)	Glass Part for 6 Unit	11400.00

**Note:** All above units are without glass parts.

### (IV) COD DIGESTION WITH DIGITAL TEMP CONTROLLER + DIGITAL TIMER

<b>A</b>	40700.00
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### (V) -----DO----- SAME BUT WITH GLASS PART

<b>A</b>	48400.00
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NU-143(I)



NU-143(II)



NU-143(III)



NU-143(IV)

Since 1989

**NAVYUG UDYOG**

An ISO 9001 Certified Company



## **AUTOCLAVE VERTICAL HIGH PRESSURE (Triple Walled)**



**NU-145A**



## AUTOCLAVES

### NU-144 AUTOCLAVES LABORATORY (Portable)

	Size dia x height in mm	Ltr.	Alluminium	S.S
A	300 x 300 mm (Seamless)	22	5800.00	8000.00
B	300 x 375 mm (Jointed)	26	7000.00	9000.00
C	300 x 500 mm (Jointed)	40		12000.00



NU-144

### NU-145 AUTOCLAVE (Vertical) Double Wall

All deluxe models are fitted with S.S./Gun Metal Lid. and having inner & outer chamber made of S.S., are also fitted with vacuum breaker as a safety device. All autoclaves are fitted with standard accessories such as pressure gauze, steam release cock and safety value to work on 220 volt A.C. supply.

	Chamber size in (Dia x Depth)	load	Cap. (Approx.)	Inner S.S. Outer M.S.	Inner Outer S.S.
A	250 x 450 mm	2 KW	22 ltrs.	30800.00	35200.00
B	300 x 500 mm	3 KW	40 ltrs.	35200.00	41800.00
C	350 x 550 mm	4 KW	52 ltrs.	44000.00	50600.00
D	400 x 600 mm	5 KW	78 ltrs.	53900.00	63800.00
E	450 x 600 mm	5 KW	98 ltrs.	63800.00	70000.00
F	550 x 750 mm	6 KW	152 ltrs.	88000.00	99000.00



NU-145

**Optional :**

(i) Automatic low-water level cut off-device.	7200.00
(ii) Pressure Control Switch.	7700.00
(iii) Water level arrangement.	2200.00
(v) Radial lock.	7100.00
(vi) Digital temp. indicator	4000.00

### NU-145A AUTOCLAVE VERTICAL HIGH PRESSURE (Triple Walled)

	Chamber size in (Dia x Depth)	load	Capacity (Approx.)	Radial Lock Inner Outer S.S.
A	250 x 450 mm	2 KW	22 ltrs.	79200.00
B	300 x 500 mm	3 KW	40 ltrs.	92400.00
C	350 x 550 mm	4 KW	50 ltrs.	99000.00
D	400 x 600 mm	5 KW	78 ltrs.	106000.00
E	450 x 600 mm	5 KW	98 ltrs.	121000.00
F	550 x 750 mm	6 KW	152 ltrs.	150000.00

**Optional :**

(i) Automatic low-water level cut off-device.	7200.00
(ii) Pressure Control Switch.	7700.00



NU-145A



## NU-146A AUTOCLAVE HORIZONTAL HIGH PRESSURE

Cylindrical (triple walled) inner/outer chamber made of thick S.S. fitted with automatic pressure control switch and automatic low water level cut off device. Lid made of S.S. with radial lock to work on 440 volts 3 phase supply.

	Chamber size in (Dia x Depth)	Load	Capacity (Approx.)	Inner S.S. Outer M.S.	Inner Outer S.S.
A	400 x 600 mm	6 KW	78 ltrs.	279500.00	300300.00
B	400 x 1100 mm	9 KW	162 ltrs.	316500.00	344000.00
C	500 x 900 mm	9 KW	165 ltrs.	307000.00	344000.00
D	500 x 1200 mm	9 KW	221 ltrs.	344200.00	381000.00



NU-146A

## SEED GERMINATOR/ ENVIRONMENTAL EQUIPMENTS

### NU-147 SEED GERMINATOR (Single Chamber)

Chamber of highly polished S.S.	Capacity	
555 (W) x 910 (H) x 605 (D) mm	308 ltrs.	104000.00

**Optional :**

- (i) Automatic 0-24 hour's timer to regulate cyclic illumination conditions. 6600.00
- (ii) Automatic voltage Stabilizer 3KVA (recommended). 11000.00

### NU-148 SEED GERMINATOR (Dual Chamber)

Each Chamber Size : 555 (W) x 910 (H) x 605 (D) mm	
Heating and cooling in both chamber and chamber made of stainless steel sheet.	206000.00

**Optional :**

- (i) Automatic 0-24 hour's timer to regulate cyclic illumination conditions. 6600.00
- (ii) Automatic voltage Stabilizer 5KVA (recommended). 17600.00



NU-147

### NU-149 HUMIDITY CABINET

Temp. 5°C above ambient to 60°C humidity 30-90%.

	size inside chamber (W x D x H)	Capacity (Approx.)	Inner S.S.
A	455 x 455 x 455 mm	95 ltrs.	40400.00
B	455 x 455 x 710 mm	147 ltrs.	50900.00
C	605 x 605 x 605 mm	225 ltrs.	52000.00
D	605 x 605 x 910 mm	335 ltrs.	59800.00

**Optional :**

- (i) Hygrometer (Humidity Indicator). 1700.00
- (ii) Digital Temp. Controller-cum-Indicator. 6600.00
- (iii) Microprocessor PID digital temp. Indicator-cum-Controller. 12000.00
- (iv) Automatic electronic controller with digital display for Temp. & Humidity combined. 31000.00
- (v) Automatic voltage Stabilizer 3 KVA (Recommended). 11000.00



NU-149



### NU-150 ENVIRONMENTAL CHAMBER HUMIDITY CABINET

Temp. 5°C to 50°C humidity 20% to 95%.

	size inside chamber (W x D x H)	Capacity (Approx.)	Inner S.S.
A	455 x 455 x 455 mm	95 ltrs.	80900.00
B	455 x 455 x 710 mm	147 ltrs.	85500.00
C	605 x 605 x 605 mm	225 ltrs.	94700.00
D	605 x 605 x 910 mm	335 ltrs.	104000.00

**Optional :**

(i) Hygrometer (Humidity Indicator).	1700.00
(ii) Digital Temp. Controller-cum-Indicator.	6600.00
(iii) Microprocessor PID digital temp. Indicator-cum-Controller.	12000.00
(iv) Automatic electronic controller with digital display for Temp. & Humidity combined.	31000.00
(v) Automatic voltage Stabilizer 3 KVA (Recommended).	11000.00



NU-150

### NU-151 PLANT GROWTH CHAMBER

Temp. 5°C to 50°C humidity 20% to 95% & light arrangement system.

	size inside chamber (W x D x H)	Capacity in cu. ft.	Capacity	Inner S.S.
A	570 x 875 x 550 mm	10	280 ltrs.	150000.00
B	775 x 900 x 775 mm	20	560 ltrs.	196400.00
C	835 x 1200 x 825 mm	30	840 ltrs.	323500.00
D	900 x 1720 x 800 mm	45.8	1282 ltrs.	704500.00

**Optional :**

(i) Electronics Digital Indicator cum-Humidity controller and temperature controller.	31000.00
(ii) Microprocessor PID digital temp. Indicator-cum-Controller.	12000.00
(iii) Automatic voltage stabilizer (recommended).	11000.00



NU-151

### NU-152 MORTUARY CHAMBER

Fitted with S.S. inner walls and outer MS painted trays travel on rollers fitted with ball bearings, trays made of S.S. sheet to carry bodies are provided with handles. Complete with digital temp. controller to work on 220 volts A.C. supply.

	Capacity	Temp.	Voltage Stabilizer	Outer Inner S.S.	Inner S.S.
A	Single Body	2° to 5° C	3 KVA	242500.00	138500.00
B	Two Bodies	2° to 5° C	4 KVA	369600.00	300000.00
C	Three Bodies	2° to 5° C	5 KVA	404000.00	336000.00
D	Four Bodies	2° to 5° C	8 KVA	462000.00	346500.00
E	Six Bodies	2° to 5° C	8 KVA	485000.00	439000.00



NU-152

### NU-153 BLOOD BANK REFRIGERATOR

	Available in following capacities	Inner S.S.
A	85 litres (50 blood Bags)	97000.00
B	165 litres (110 blood Bags)	113200.00
C	200 litres (200 blood Bags)	127000.00
D	280 litres (250 blood Bags)	138600.00
E	400 litres (360 blood Bags)	196400.00

**Optional :**

(i) Chart type temperature recorder.	44000.00
(ii) Voltage Stabilizer (Recommended)	11000.00



NU-153



## NU-154 DEEPFREEZER

Temp. upto -20°C

	Capacity		Vertical	Horizontal
A	4 cu. ft.	375 x 500 x 605 mm	80800.00	73900.00
B	6 cu. ft.	505 x 410 x 830 mm	104000.00	92500.00
C	10 cu. ft.	570 x 550 x 875 mm	150000.00	138600.00
D	12 cu. ft.	650 x 580 x 900 mm	161700.00	150000.00

**Optional :**

(I) Supplied with Automatic voltage stabilizer. 11000.00

**Note :** Please ask for other capacities and sizes of your requirement.



NU-154 (Vertical)

## NU-154A DEEPFREEZER

Temp. upto -40°C

	Capacity		Vertical	Horizontal
A	4 cu. ft.	375 x 500 x 605 mm	101300.00	92500.00
B	6 cu. ft.	505 x 410 x 830 mm	130000.00	115500.00
C	10 cu. ft.	570 x 550 x 875 mm	187700.00	173000.00
D	12 cu. ft.	650 x 580 x 900 mm	202000.00	187700.00



NU-154 (Horizontal)

## NU-155A LYPHOLIZER (FREEZE DRYER)

The unit has hermetically sealed compressor to maintain temp. upto -40°C. Temp. control by electronic digital controller cum indicator with electronic vacuum indicator. It will have secondary chamber for 6 test & 12 test.

	Capacity		
A	3.25 ltrs.	6 Test	300000.00
B	5.25 ltrs.	12 Test	415800.00



NU-155A

## NU-156 GLASS BEAD STERILIZER

A	Crucible size : 2" Dia x 2" Depth	7900.00
B	Crucible size : 2" Dia x 6 1/2" Depth	9250.00



NU-156

## LAMINAR, FUME HOOD AND BIO SAFETY CABINETS

### NU-157 HORIZONTAL LAMINAR AIR FLOW CABINET

	Working Chamber Size	S.S.	M.S.	Wooden
A	2' x 2' x 2'	92000.00	62000.00	48000.00
B	3' x 2' x 2'	112000.00	84000.00	55000.00
C	4' x 2' x 2'	130000.00	106000.00	60000.00
D	6' x 2' x 2'	210000.00	166000.00	92000.00



NU-157





## HORIZONTAL LAMINAR AIR FLOW CABINET



**NU-157**



## NU-157A VERTICAL LAMINAR AIR FLOW CABINET

	Working Chamber Size	S.S.	M.S.	Wooden
A	2' x 2' x 2'	128000.00	84700.00	53000.00
B	3' x 2' x 2'	150000.00	110000.00	62500.00
C	4' x 2' x 2'	172000.00	130000.00	70000.00
D	6' x 2' x 2'	254000.00	190000.00	106000.00



NU-157A

## NU-157B DISPENSING & SAMPLING BOOTH

290000.00

Dispensing and sampling booth are ideal for weighing and dispensing of critical pharmaceutical and other powders. These provide down flow of hepa filtered clean air creating environment in the area where powder is being dispensed as well protect the worker, who is working inside from inhaling the powder fumes as the air bound powder gets trapped in suction filter at the bottom.

### TECHNICAL SPECIFICATIONS

Type : re-circulated type or exhaust type.  
 Pressure drop : pressure static manometer/magnehelic gauze provided.  
 Controller : motor on/off indications.  
 Light : light and additional 15/5amp. Socket provided in the booth.  
 S.s double skin wall and filter in aluminium frame structure s.s and wall acrylic.  
 Mini pleat hepa filter in supply and fine filter in reeturn air.



NU-157B

## NU-158 BIOLOGICAL SAFETY CABINET (as per class II)

	Working Size	Size of HEPA Filter	No. of HEAP filter	Illumination	Wooden	M.S.	S.S.
A	2'x2'x2'	2'x2'x6"	1	1x20W	70000.00	106000.00	150000.00
B	3'x2'x2'	3'x2'x6"	1	1x20W	81500.00	128000.00	172000.00
C	4'x2'x2'	4'x2'x6"	1	1x30W	103500.00	150000.00	194000.00
D	6'x2'x2'	3'x2'x6"	2	1x30W	145000.00	210000.00	250000.00



NU-158



### NU-159 FUME HOOD

	Working chamber size	3' x 2' x 2'	4' x 2' x 2'	5' x 2½' x 2½'
A	M.S.	128000.00	150000.00	176000.00
B	S.S.	150000.00	185000.00	276000.00
C	Wooden	81500.00	106000.00	150000.00



NU-159

### NU-160 TISSUE CULTURE RACK

	No of Racks	Made of Mild Steel	Made of Stainless Steel
A	Unit of four racks	54000.00	72000.00
B	Unit of five racks	66000.00	96000.00
C	Unit of six racks	80000.00	115000.00



NU-160

### NU-161 CHROMATOGRAPHY CABINET WOODEN [NEW]

	10000.00
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NU-161

### NU-162 AIR CURTAINS

	Size Feet	Door Width	
A	3'	900 mm	15000.00
B	4'	1200 mm	15200.00
C	5'	1500 mm	27200.00



NU-162

### NU-163 INOCULATION CHAMBER

Made of seasoned teak wood with thick ply board on top and bottom and 3mm plywood on back thick non rating glass door for convenient view of the specimen provided with one fluorescent tube and one ultra violet tube.

	Chamber Size	
A	100 x 50 x 50	10000.00
B	75 x 45 x 45	9000.00



NU-163



## NU-163A MATERIAL STORAGE CABINET (Vertical Flow)

	Working Size	Size of HEPA Filter	No. of HEPA Filter	Illumination	Cabinet of Wooden Board with Sunmica	Cabinet of Stainless Steel
A	3' x 2' x 5'	3' x 1½' x 6"	1	3	104500.00	132000.00
B	4' x 2' x 5'	4' x 1½' x 6"	2	2	148500.00	160000.00

**Optional :**

- (i) Exhaust Seives 6000.00
- (ii) Exhaust ducting per running ft. 3000.00



NU-163A

## NU-163B SLIDE CABINET

A	1000 Slides	4800.00
B	2000 Slides	9000.00
C	5000 Slides	17800.00
D	10000 Slides	37000.00



NU-163B

## NU-164 DESTRUCTOR INCINERATOR (Electrical) WITHOUT CHIMNEY

	Capacity	
A	3-5 Kg	150000.00
B	8-10 Kg	185000.00
C	12-15 Kg	230000.00
D	18-20 Kg	300000.00

**Optional :**

- a) Capacities 25-35 kg-70kg. And 125-175 are oil fired. Erection & Commissioning Charges are extra.
- b) M.S. Chimmni extra.



NU-164

## NU-165 HUMIDIFIER

	Capacity	
	3 liters	17500.00

**Optional :**

- (i) Control box with Humidistat for controlling humidity. 5500.00



NU-165



### NU-166 DE-HUMIDIFIER

	Capacity	
A	1½ Tons	76000.00
B	2 Tons	81000.00

### NU-166A DE-HUMIDIFIER (with Digital Humidity Indicator-cum-Controller)

Capacity 1½ Tons	104000.00
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**Optional:**

(I) Automatic Voltage Stabilizer 4.0 KVA. (Recommended) 13000.00



NU-166

### NU-171A U.V. CHROMATOGRAPHY INSPECTION CABINET

Double Tube	5900.00
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NU-171A

### NU-171B THIN LAYER CHROMATOGRAPHY APPARATUS (T.L.C. APP)

Brass Applicator	7500.00
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### NU-172 OVERHEAD PROJECTOR

A	Double bulb low voltage 24V - 50W halogen. 250x250 mm	6850.00
B	Double bulb low voltage system with 3 halogen bulbs 24V - 250W. 250x250mm for sheet size mark IV	7750.00
C	Double bulb low voltage system with 2 halogen bulbs 24V - 250W through step-down transformer, writing surface 285 x 285 mm for A4 sheet	9150.00



NU-172



## NU-173 PROJECTION SCREEN DELUXE MODEL (Imported)

	Size	Shelf Locking	Motorized	Tripod
A	6"x4"	5600.00	12000.00	6500.00
B	7"x5"	6500.00	14500.00	8000.00
C	8"x6"	8000.00	17000.00	9500.00



NU-174

## NU-174 PROJECTION SCREEN (With Metallic Stand)

	50"x70"	5000.00
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## NU-174A PROJECTION SCREEN (Map Type)

A	50"x50"	3200.00
B	50"x70"	3700.00



NU-174A

## NU-179 MOISTURE ANALYSER (Digital)

	Range 8% to 40%	34600.00
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## NU-179A MOISTURE ANALYSER

	Digital Direct Reading	37000.00
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## NU-179B INFRARED MOISTURE BALANCE

	Range	
A	5 gms	14000.00
B	10 gms	16000.00
C	25 gms	17500.00



NU-179B



**NU-180 LAB WILLEY GRINDER  
 (Arthur H. Thomas Type) DISINTEGRATOR**

With polished hopper 2" dia., with cover. Three delivery sieves 20, 40 and 60 mesh respectively, each with plastic receiver. Works on 220 V A.C. Are movable glass plate forms the face of the chamber and permits observation during operation.

	Chamber Size	Motor Cap.	Chamber Made of Mild Steel	Chamber Made of SS
A	40 x 25 mm	0.25 H.P.	16200.00	18500.00
B	65 x 25 mm	0.25 H.P.	18900.00	23500.00
C	100 x 50 mm	0.50 H.P.	25000.00	41000.00
D	200 x 75 mm	1.00 H.P. (Heavy Duty)	44600.00	78000.00



NU-180

**NU-180A BALL MILL (Laboratory Type)**

	Capacity	Motor Cap.	Aluminium Jar	S.S. Jar
A	1 kg Jar	¼H.P.	11900.00	12700.00
B	2 kg Jar	¼H.P.	12700.00	16300.00
C	5 kg Jar	¼H.P.	26400.00	33600.00



NU-180A

**PHARMACEUTICAL/ PHARMACOLOGY**

**NU-181 AUTOPSY TABLE**

	227000.00
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**NU-182 AMPOULE CLARITY**

	3800.00
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**NU-183 ASEPTIC CABINET**

	9500.00
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**NU-201 AMPOULE FILLING & SEALING DEVICE**

Simple syringe type hand driven gives ten ampoules per minute capacity of filling adjustable from 1ml to 10 ml by a cam lever arrangement automatic intake outflow of fluid all contact parts are borosil glass the sealing apparatus consists of glass fusing burner for LPG or petroleum gas with foot bellow and rubber tubing.

	8500.00
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**NU-202 AMPOULE WASHING**

Ampoule Washing Consists of 6 S.S. needle jets fixed on a stainless steel pipe 12.5mm dia with side tap and serrations for fixing rubber tube with tab water spring loaded ampule holding arrangement for various sizes of ampoules with stainless steel bottom tray on stand.

	3500.00
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NU-182



NU-201



NU-183



NU-202



## NU-203 ANTIBIOTIC ZONE READER (MANUALLY)

S.S.body, motorized deluxe quality	15600.00
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## NU-204 ALGOMETER

	4450.00
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## NU-205 ACTOPHOTO METER

	10000.00
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## NU-205A ALL PURPOSE EQUIPMENT [NEW]

This is a compact bench top model with platform fitted with SS Lotus Clamp with Digital Timer & RPM Microprocessor Based.

	120000.00
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## NU-206 ANALGESIOMETER

Tail Flick Radiant heat type or tail flick type for determining analgesic effect of drugs	6750.00
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## NU-207 ANALGESIOMETER (EDDY'S HOT PLATE)

Aeddy's Hot Plate for determining analgesic effect of drugs	11800.00
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## NU-207A ANALGESIOMETER WITH PID CONTROLLER

	12000.00
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## NU-208 BICYCLE ALGOMETER

	36000.00
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## NU-209 BOTTLE FILLING MACHINE

A Hand operated	15600.00
B Motorized single syringe	54000.00

## NU-210 BULK DENSITY

A	7100.00
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### Optional :

I) Digital Timer	4500.00
II) Digital Timer and Counter	9200.00

## NU-211 BOTTLE CAP SEALING MACHINE

	22000.00
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## NU-212 BOTTLE WASHING MACHINE

A Single brush	14400.00
B Double brush	20400.00





**NU-213 BONE CUTTING MACHINE**

	168000.00
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**NU-214 COOK'S POLE CLIMBING**

Response apparatus for the study of pale jump.(avaoidance) response	15000.00
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**NU-215A CAPSULE FILLING MACHINE**

A versatile lever operated semi-automatic machine for various operations with levers in order of (i) plates for putting of capsules (ii) removal of caps (iii) filling of powder by dispending brush pressing (iv) ejection of 100 capsules of size 0.2 or 0.5 (any one size on order) contact parts of stainless steel.

A Cap. 100 Capasule	33000.00
A Cap. 300 Capasule	120000.00

**NU-216 CAPSULE COUNTER**

Full chrome plated & heavy body	3000.00
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**NU-217A COLLAPSIBLE TUBE FILLING MACHINE**

Stroke type barrel and piston arrangement with stroke setting for various capacity of filling tubes detachable nozzles provided for each separate capacity all contact parts are of stainless steel including hopper built on cast iron body hand lever operated

	9300.00
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**NU-217B COLLAPSIBLE TUBE FILLING MACHINE MOTORIZED**

5ml - 50ml	91500.00
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**NU-218 COLLAPSIBLE TUBE SEALING MACHINE**

Hand lever sliding movement with toothed jaws spring action release of jaws robust construction	3500.00
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**NU-218A CUBE CONE MIXER**

	32000.00
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**NU-219 DALE BATH APPARATUS**

	5300.00
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**NU-219A DONGLAS BAG**

	4800.00
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**NU-219B DOUBLE CONE BLENDER**

	24000.00
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**NU-220 ELECTRO CONVULSO METER**

A Simple	8700.00
B Digital	9600.00



NU-213



NU-214



NU-215



NU-216



NU-217A



NU-218



NU-219



NU-219B



NU-220



**NU-221 GADUUMS OUTFLOW RECORDER TO WORK ON 4V D.C.**

3400.00

**NU-222 HISTAMINE CHAMBER COMPLETE WITH SPHYGOMA**

6200.00

**NU-223 HAND GRIP DYNAMETERS**

4500.00

**NU-224 HOOK GRIP**

450.00

**NU-225 JAR TEST APPARATUS**

A	Two Jar Test Apparatus	12000.00
B	Three Jar Test Apparatus	14500.00
C	Four Jar Test Apparatus	16500.00
D	Six Jar Test Apparatus	23000.00

**Optional :**

(i)	Digital RPM	4800.00
(ii)	Digital Timer	4800.00



NU-222



NU-225

**NU-226 KYMOGRAPH**

A	Kymograph (Recording Drum-	12000.00
B	Frog Heart Chamber	1150.00
C	Smoking Stand	3100.00
D	Smoking Burner	2600.00
E	Paper Clip	200.00
F	Frog Muscle Chamber	1100.00
G	Starling Heart Lever	260.00
H	Adjustable Stand	460.00
I	Mayo Graph Lever	550.00
J	Mayo Graph Board	500.00
K	Simple Electrode	180.00
L	Student Stimulator	3460.00
M	Chamber Electrode	390.00
N	X-Block	230.00
O	Muscle Lever	400.00
P	Hook Weight Set	300.00
Q	Kymograph Paper	600.00



NU-226



## NU-227A KYMOGRAPH SUPER SPEED

Improved life time pinnion lift. Range of fine vertical adjustment 15cms. close mesh 10 speed gear box, Gear ratios 1:2 No. backlash. Instantaneous start at all speeds with built in vibration free, noiseless motor, speed variation from 1 rev. in 25 min. to 1 rev in 11 hours. Permissible paper length 2.5 meters, adjustable along machined 120 cm Bed; Automatic paper tensioning devices, Flat writing surface attachment 3 jointed arm uprights with fine tangential adjustment, Auxillary cylinder with fine tilt adjustment to permit equalisation of tension at the top & bottom of the paper, Neutralisation clutch for immediate start & stop, centralised electrical points for respiration pump, time clock and operation table, mounted on heavy metal platform with castora, with manometer & two way time marker.

■	78000.00
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NU-227

## NU-228 LEAK TEST APPARATUS

A	6"	25000.00
B	8"	29000.00

**Optional:**

Digital Timer	4200.00
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NU-228



NU-230

## NU-228A LIPSTICK MOULD

A	4 Hole	850.00
B	6 Hole	1200.00
C	12 Hole	2600.00

## NU-228B LUCUS MOIST CHAMBER

■	1100.00
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## NU-229 MARRY TAMBOUR

■	18 MM	600.00
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NU-229



NU-231

## NU-230 MOSSES ARGOGRAPH

■	8800.00
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## NU-231 MAMMALIAN HEART PERFUSION ASSEMBLY

■	17500.00
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## NU-232 OLFACTOMER

■	6000.00
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## NU-233 OPERATION TABLE FOR ANIMAL (Bordi Operation Table)

Now with all steel frame designed for greater stability. stainless steel top 127x45cm. In two halves sloping towards their central drain, warming chamber, casters, moving handless with animal holder & stainless steel tray and two moveable uprights

■	27500.00
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NU-233



## NU-234 OPERATION TABLE SMALL

For rabbits, rats guinea pig etc, stainless steel top adjustable head holder, trying cleats, cut back at the head end with warming chambers

■	12000.00
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## NU-235 PERMEABILITY CUP

■	1600.00
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## NU-236 PLENTY MIXER

■	40000.00
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## NU-237 PISTON RECORDER

■	1500.00
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## NU-238 PERIMETER

■	Prestley Smith Type	16000.00
■	Lister Type	36000.00

## NU-239 PLETHYSMIOGRAPH

■	1500.00
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## NU-239A PULVELIZER

■	96000.00
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## NU-239B PHYSIOGRAPH

A	Single Channel	140000.00
B	Double Channel	170000.00
C	Three Channel	180000.00

## NU-239C POLYGRAPH

A	Single Channel	140000.00
B	Double Channel	170000.00
C	Three Channel	180000.00



NU-237



NU-238



NU-239



NU-239A



## NU-241 ROTA ROD

A	Two Compartment	12000.00
B	Three Compartment	14000.00
C	Four Compartment	16000.00
D	Six Compartment	22000.00

**Optional :**

(I) Digital RPM	5700.00
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## NU-242 RESPIRATION PUMP

500cc Single cylinder pump with mechanically operated valve. All metal construction. The driving cone has 3 slots of 6"x9"x12" dia & balanced A ¼ H.P. geared Crompton motor drives the pump. The stroke is adjustable & graduated in cc. upto 500cc. Motor coupled. On castor wheel base

	58000.00
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## NU-243A SUCTION PUMP [NEW]

	15000.00
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## NU-243B STERILITY TEST

It is as per our standard design it consists of stainless steel flask with stainless steel clamps and stainless steel support screen made out stainless steel 316 quality single station without stand

	Three Test	40000.00
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## NU-244 SWIMMING TEST APPARATUS

	32000.00
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## NU-245 STUDENT ORGAN BATH

A	Single unit	3000.00
B	Double unit	6000.00
C	Single unit with digital temp. & stirrer	10000.00
D	Double unit with digital temp. & stirrer	11500.00
E	Four Unit	10500.00

## NU-246 STETHOGRAPH

	1000.00
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## NU-247 SUPPOSITORY MOULD

A	2 Hole	400.00
B	4 Hole	500.00
C	6 Hole	600.00
C	12 Hole	1800.00

## NU-248 STEP DOWN TRANSFORMER

	10000.00
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## NU-249 STUDENT SPIRO METER

6 Ltr. Capacity With chain compensates counter balance to flat through pulley calibrated to denote volume inlet & outlet tubes stainless steel chamber with corrugated rubber tube and mouth piece

	12000.00
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NU-241



NU-242



NU-243



NU-244A



NU-245



NU-246



NU-249



## NU-249A SERUM INSPINATOR

	16000.00
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## NU-250 TABLET COUNTER

	900.00
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## NU-251 TABLET DISINTEGRATION

Used for determination of disintegration of time of tablets, a motorized shaft moves in up and down direction at a frequency of 30 cycles per minute holds 6 glass tubes of standard size with stainless steel wire gauge bottom cylinder moves up and down with standard dish inside in a liter beaker filled of distilled water which is maintained at 37 C by thermostatically controlled hot plates (without beaker)

A	Single Test Apparatus.	7000.00
B	Single Test Apparatus With Digital Temp.	13600.00
C	Double Test Apparatus	10000.00
D	Double Test Apparatus With Digital Temp. & R.p.m.	19200.00

## NU-255 TABLET FRIABILITY

Used for tablets to determine the durability from the time of production to the time of use, a transparent plastic drum rotating has plastic blade which carries the period is determined by a timber tablets are weighed before and after the test and difference in weight for a particular time period indicates the rate of abrasion

A	Single Drum	7700.00
B	Double Drum	10400.00

**Optional :**

I)	Digital Timer	4200.00
II)	Digital R.P.M.	4200.00
III)	Digital Temp.	4200.00

## NU-263 TABLET DISSOLUTION

Dissolution rate consists of water bath of 30.5cm long 20.5cm wide and 23cm high fitted with a thermostatic control maintains the temperature of water at 47°C with ±0.5 variation covered vessel 100ml made of coring glass variable speed motor cylinder basket and shaft with blades of stainless steel

A	Single Test	10400.00
B	Double Test	18000.00
C	Three Test	33500.00
D	Six Test	99500.00

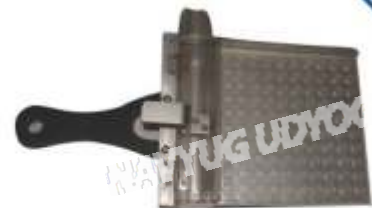
**Optional :**

I)	Digital Timer	4200.00
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## NU-268 TABLET MAKING MACHINE

Single punch for making tablets upto 1000mg and as per size of the die and punch 6,9,12mm automatic compression and ejection device with each revolution of the wheel drive automatic feed removal of tablets built on a heavy cast body with eccentric pressure system.easy setting for thickness and hardness of tablet with nuts and lock nuts. Die and set of punches are of chromium steel.

A	Single Punch Hand Operated	33500.00
B	Motorized	57000.00



NU-250



NU-251



NU-255



NU-263



NU-268



## NU-270 TINCTURE PRESS

<b>A</b>	Extra heavy for making tincture, decoctions, infusions etc. Capacity 1 Ltr. Stainless steel inner perforated vessel	3000.00
<b>B</b>	Tincture Press Heavy	6000.00



NU-270

## NU-271 TELETHERMOMETER

<b>A</b>	Six Probe	8800.00
<b>B</b>	Single Probe	7700.00



NU-271

## NU-273 TABLET HARDNESS TESTER

<b>A</b>	Monsanto	1600.00
<b>B</b>	Pfizer	5000.00



NU-273

## NU-275 TETANUS SET

		2500.00
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NU-275

## NU-276 TABLET COATING PAN

	Gear Motor	15000.00
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## NU-277 TABLET COATING PAN

12" dia stainless steel the machine is worked by oil immersed gear box with F.H.P. motor drive air blower is operated independently and air is thermostatically controlled to give temp.30°C to 110°C switches for motor blower heater and thermostat fixed on a with dia light body heavy body with ½ HP Motor and Gear Box

	1/2 HP Motor + Gear Box	30000.00
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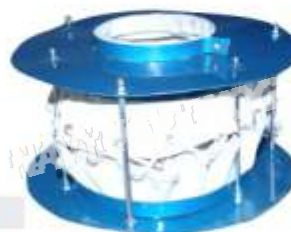


NU-276

## NU-278 TABLET POLISHING PAN

Detachable polishing pan for use with coating pan is made of mild steel painted and provided with inner lining of superior canvas cloth inner dia 12" and 8" high with opening of 7" dia neck

		4000.00
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NU-278

## NU-279 TISSUE PROCESSING UNIT

	Single	15000.00
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NU-279



## NU-279A AUTOMATIC TISSUE PROCESSOR UNIT

■	136000.00
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## NU-280 VOLUME RECORDER

■	1600.00
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## NU-281 VARNISH TRAY

■	4500.00
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## NU-282 VARIABLE INTERRUPTER

■	3000.00
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NU-279A



NU-282

## POLARIMETER

### NU-283 STUDENTS POLARIMETER

Consists of Laurent half shade polariser analyser brass scale graduated from 0 to 360 or 0 to 180 with vernier reading 6" and accommodates 200mm glass tube.

A	5000.00
B	Same as above but with bi-quartz or tri-quartz. 8000.00



NU-283

### NU-284 RESEARCH POLRIMETER

Used in medical pharmaceutical and chemicals research laboratory consists of a imported half shade nicol polariser analyzer 100mm diameter circular scale divided in degrees 0 to 360 x 1 and a sugar scale divided -30 to +130 x 1 iss, a divided micrometer drum is given to read 0.053 minutes and 0.1 is the scale is properly illuminated for taking readings the body is very sturdy and complete with polarimeter tube bubble traps at the center 200mm. Sodium lamp with stand and transformer.

A	220mm	28000.00
B	Same as above but with 400mm tube.	36000.00



NU-284

### NU-285 VENUS PRESSURE APPARATUS

■	4200.00
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## REFRACTOMETER

### NU-286 ABBE REFRACTOMETER MODEL

Refractometer is a very precised optical instrument. Designed for quick and accurate measuring system by using a few drops of liquid. Quite suitable for testing and control of purity/Quality suitable for testing and control of purity/quality of oils, sugar, paraffins, waxes, animal and plants fats, glycerine, sugar % scale 0 - 95% brix.

■	Measuring Range: Ref. Intex 1.30 to 1.70	11000.00
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NU-286





### NU-287 BUTYRO REFRACTOMETER

Provided with double scale one is oil having range of 0 to 100 an accuracy of  $\pm 0.1$  and the other is sugar having range of 50%-80% with an accuracy of  $\pm 0.1\%$  also read direct on the scale.

	10500.00
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### NU-288 HAND REFRACTOMETER

For sugar content check of fruit juice and soft drinks with beer milk, Lactic acid, beverages etc.

A	Range : 0 - 32%, 0.2% minimum scale	3500.00
B	For mid range, including fruit juices, canned goods with sugar content. 28-62%	3800.00
C	For high range sugar content as honey, Range : 58 - 92%.	4000.00



NU-288

## MICROTOMES

### NU-289 ROTARY MICROTOME (Erma Type)

This microtome is required with a ball bearing type object holder to get exact centring of specimen knife holder with lateral movement permitting use of one complete knife edge and has feed range from 1.25 micrometres in step of one micrometre.

	21000.00
	Razor 120 mm with back and handle in box 1 no.
	Honing stone in box 1 no.
	Object holder (set of three) set
	Dust cover



NU-289

### NU-290 SENIOR PRECISION ROTARY MICROTOME: (Latest Spencer 820A Type)

It is universally approved, most modern and reliable sectioning equipment designed for very precise sectioning of tissue upto 1 micrometre thickness. The feed indicator located in front of microtome is operated by the latest 'Cam Drive System' with the following accessories in study wooden cabinet, Razor 120mm, with back & handle in box, oil can, honing stone in box, dust cover object holders (set of three) and illustrated operating manual.

	30000.00
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### NU-290A MICROTOME SPENCER

A	Lipsa Type	34000.00
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### NU-290B SLEDGE MICROTOME

A		60700.00
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### NU-291 AUTOMATIC RAZOR KNIFE SHARPEN

A		30000.00
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NU-290



NU-291



## NU-292 Serum Inspissators

Tripple walled, In side made of stainless steel covered with stinless steel jacket duly welded for leakproof construction. Outside made of CRC sheet. Attractively painted with powder coated paints. Gap between the ~ wall filled with glass wool. In side chamber is provided with low height partition to place test tube in angle position. A full view perspex cover is provided for easy viewing. Bottom is fitted with adjustable screw assembly to place bath in angle position, supplied with inlet & outlet of water to maintain water level. Control by thermostat or microprocessor based digital temperature indicator cum controller with dual display, accuracy  $\pm 0.50$  or better. Complete with three core wire and plug to work on 230VAC.

**Optional :**

- (i) Digital temp. Indicator-cum-Controller. 6600.00
- (ii) Microprocessor PID digital temp. Indicator-cum-controller with timer 12000.00
- (iii) Stirrer with 1/20 H.P. high speed motor with stainless stirring rod & blade. 2600.00
- (iv) Digital temp. indicator 3400.00

15000.00



NU-292

## NU-293 Syringe Needle Destroyer

Melts The Needle Instantly  
Destroys The Syringe Instantly  
Fast & Safe Operation  
Destroy Bacteria  
Economic

1600.00



NU-293

## NU-294 Energy Meter

Single Phase LCD Energy Meter (Rated Current- 10-60 Amp)

2400.00



NU-295

## NU-295 Electro Phoros (Horizontal / Vertical)

With Power Supply

16000.00

## NU-296 Metabolic Cages

7500.00



NU-296



## ANALYTICAL / ELECTRONICS INSTRUMENTS

### pH/mV/Temp. Meter : Digital Microprocessor Based ( Soft Touch Keys )

An advance Bench Top pH Meter is the combination of Microcontroller based design with advanced software & reliable Electrochemical Sensor for the measurement of pH, mV, Temperature with automatic temperature compensation. These pH Meters cover innumerable application in Research, Education, Chemical, Pharmaceutical, Food processing, Cosmetic, Biological & Agricultural fields.

Catalog No.	→	NU-311	NU-312	NU-314	NU-315
Display		4 Digit LED	4 Digit LED	Dual Display LED + LCD	LCD Display 16 x 2 Line
pH	Range	0 – 14 pH	Specification same as per NU-311 + Manual & ATC (Automatic Temp. Compensation) supplied with Temp. Sensor	Specification same as per NU-312 + LED & LCD : 16x2 Alphanumeric Display + ATC	Specification same as per NU-312 + Alphanumeric Display + ATC With Data Storage up to 1000 samples & RS-232/ Data logging
	Resolution	0.01 pH			
	Accuracy	± 0.01 ± 1 digit			
mV	Range	0 ± 2000 mV	Manual & ATC (Automatic Temp. Compensation) supplied with Temp. Sensor	LED & LCD : 16x2 Alphanumeric Display + ATC	Alphanumeric Display + ATC With Data Storage up to 1000 samples & RS-232/ Data logging
	Resolution	1 mV			
	Accuracy	± 1 mV			
Temp.	Range	0 to 100°C	Manual & ATC (Automatic Temp. Compensation) supplied with Temp. Sensor	LED & LCD : 16x2 Alphanumeric Display + ATC	Alphanumeric Display + ATC With Data Storage up to 1000 samples & RS-232/ Data logging
	Resolution	0.1°C			
	Accuracy	± 0.1°C			
Temperature Comp.		Manual Digitally Settable	ATC	ATC	ATC
Auto Buffer Recognition & Auto Buffer Calibration		3 Points, Automatic (4.00, 7.00 & 9.20 pH)	3 Points, Automatic (4.00, 7.00 & 9.20 pH)	3 Points, Automatic (4.00, 7.00 & 9.20 pH)	4 Points, Automatic (4.00, 7.00, 9.20 & 12.45 pH)
<b>Unit Price</b>		7,200-00	9,400-00	12,000-00	14,700-00

**Power Supply :** 12V/ 500mA External Adopter

**Complete Accessories :** pH Electrode Combined, Electrode Stand, Buffer Solution, Dust Cover & Manual.



NU-311 & 312



NU-314



NU-315

### pH/ mV/ Temp. Meter LAB cum Portable: Microprocessor Based.

Combine all features, Portable/ field as well as Laboratory purpose for the measurement of pH, mV, Temperature with automatic temperature compensation.

Other Specifications same as per NU-312 ( as mentioned above )

Catalog No.	↓	Display	Temp. Compensation	Auto Buffer Recognition & Calibration	Unit Price in Rs.
NU-313E		LED 4 Digit	ATC	3 Points, Automatic (4.00, 7.00 & 9.20 pH)	9,400-00
NU-313C		LCD 16x2 Alphanumeric	ATC		12,000-00

**Power Supply :** 12V/ 500mA. External Adopter & Battery backup unit

**Accessories :** pH Electrode, Temp. Sensor, Buffer Solution, Carrying Case & Manual.



NU-313E



NU-313C



## Potentiometer (O.R.P.)/ Temp. Meter : Lab Model Microprocessor Based

Cat. No.	Display LED 4 Digit	Specification	Unit Price
NU-316	<b>Potentiometer / Temp. Meter :</b> Microprocessor Based (Soft Touch Keys operation) <b>Temp. : 0 to 100°C</b>	For Redox-Potential Measurement & Temp. Range 0 to ± 1999 mV, Resolution 1 mV, Repeatability ± 1 mV, Accuracy ± 1 mV ± 1 Digit, Input Impedance > 10 <sup>12</sup> Ohms., Power Supply 230 V ± 10%, 50 Hz AC.	7,200-00
<b>Power Supply : 12 V/ 500mA External Adaptor</b>			
<b>Accessories :</b> ORP ( Platinum Combined) Electrode, Temp. Probe. Electrode Stand, Dust Cover & Manual.			



NU-316

**Optional :** Battery cum Mains provision in all above Models (Extra) 2,500-00

### Spares pH / Potentiometers

- |                                     |  |
|-------------------------------------|--|
| A: Ph Electrode (Combined) 1,750-00 | B: Ph (Comb. Toughened) 2,000-00       |
| C: Epoxy Comb. Electrode 2,000-00   | D: Platinum Electrode (O.R.P) 2,250-00 |
| E: Temperature Probe 1,000-00       |  |

## CONDUCTIVITY / TDS / SALINITY / TEMP. METERS

An advance Bench Top Cond. / TDS / Salinity / Temp. Meter is the combination of Micro controller based design with advanced software & reliable Electrochemical Sensor for the measurement of Cond. / TDS / Salinity , Temperature with Automatic Temperature compensation. These Cond. / TDS / Salinity / Temp. Meter cover innumerable application in Research, Education, Chemical, Pharmaceutical, Food processing, Cosmetic, Biological & Agricultural fields.

### Conductivity / Temp. Meter : Lab Model Microprocessor Based.

Cat. No.	NU-317	NU-317AT	NU-318
Display Conductivity →	Dual Display LED 4 Digit & LCD 16 X 2 Alphanumeric	Dual Display LED 4 Digit & LCD 16 X 2 Alphanumeric	LCD Display 16 X 2 Line Alphanumeric
Range	0-1000 ms	Specification same as per NU-317 + ATC (Automatic Temp. Compensation) supplied with Temp. Sensor	Specification same as per NU-317AT + ATC  LAB cum Portable, Handy, useful for Industrial Application
Resolution	0.1 us		
Accuracy	± 0.5% ± 1 digit		
Range Selection	Automatic		
Temperature Comp.	Manual Digitally Settable		
Temperature Indication	Continuous 0 to 100 °C		
Cell Constant	Adjustable (0.05 – 10.5)		
Temp. Co-Eff.	Adjustable : 0.1 – 4.0%		
Keyboard	Soft Touch Switches		
<b>Unit Price</b>	7,200-00	9,400-00	12,000-00
<b>Power Supply :</b> 12V/ 500mA External Adaptor or Battery backup unit (Optional)			
<b>Complete Accessories :</b> Cond. Electrode, Electrode Stand, Dust Cover & Manual.			



NU-317AT



NU-318



### Cond. / TDS / Salinity / Temp. Meter : Desk Model & Lab cum Portable Microprocessor Based.

Combine many features, Portable, field as well as Laboratory purpose for the measurement of Cond./ TDS/ Salinity/ Temperature with automatic temperature compensation.

Cat. No.	NU-319			NU-320
Display	Dual Display			LCD Display
Cond. / TDS / Salinity / Temp.	LED 4 Digit & LCD 16 X 2 Line Alphanumeric			16 X 2 Alphanumeric
	Cond.	T.D.S.	Salinity	Cond. / TDS / Salinity / Temp.
Range	0-1000 ms	0-1000 ppt	0-100 ppt	Specification same as per NU-319 + LAB
Resolution	0.1 us	0.1 ppm	0.1 ppt	
Accuracy	± 0.5% ± 1 digit	± 0.5% ± 1 digit	± 0.5% ± 1 digit	cum
Range Selection	Automatic			
Temperature Comp.	ATC (Auto Temp. Comp.)			Portable
Temperature Indication	Continuous : 0 to 100 °C Resolution : 0.1 °C			
Cell Constant	Adjustable (0.05 – 10.5)			Handy useful for Industrial Application
Temp. Co-Eff.	Adjustable : 0.1 – 4.0%			
Keyboard	Soft Touch Switches			
<b>Unit Price</b>	12,800-00			14,500-00



NU-319



NU-320

### T.D.S. / Temp. Meter : Lab Model Microprocessor Based.

Cat. No.	NU-322	NU-323	NU-324
Display	Dual Display	Dual Display	LCD Display
T.D.S.	LED 4 Digit & LCD 16 X 2 Alphanumeric	LED 4 Digit & LCD 16 X 2 Alphanumeric	16 X 2 Line Alphanumeric
Range	0-1000 ppt	Specification same as per NU-322 + ATC (Automatic Temp. Compensation) supplied with Temp. Sensor	Specification same as per NU-323
Resolution	0.1 ppm		
Accuracy	± 0.5% ± 1 digit	LAB	Cum
Range Selection	Automatic		
Temperature Comp.	Manual Digitally Settable	Portable,	Handy, useful for Industrial Application
Temperature Indication	Continuous 0 to 100 °C		
Cell Constant	Adjustable (0.05 – 10.5)	Unit Price	
Temp. Co-Eff.	Adjustable : 0.1 – 4.0%		
Keyboard	Soft Touch Switches	7,200-00	9,400-00
<b>Unit Price</b>	7,200-00	9,400-00	12,000-00



NU-323



NU-324

**Power Supply :** 12V/ 500mA External Adaptor or Battery backup unit (Optional)  
**Accessories :** Cond. Electrode, Electrode Stand, Dust Cover & Manual.



## Salinity / Temp. Meter : Lab Model Microprocessor Based.

Cat. No.	NU-325	NU-326	NU-327
Display Salinity	Dual Display LED 4 Digit & LCD 16 X 2 Alphanumeric	Dual Display LED 4 Digit & LCD 16 X 2 Alphanumeric	LCD Display 16 X 2 Line Alphanumeric
Range	0-100 ppt	Specification same as per NU-325 + ATC (Automatic Temp. Compensation) supplied with Temp. Sensor	Specification same as per NU-326  LAB  Cum  Portable,  Handy, useful for Industrial Application
Resolution	0.1 ppt		
Accuracy	± 0.5% ± 1 digit		
Range Selection	Automatic		
Temperature Comp.	Manual Digitally Settable		
Temperature Indication	Continuous 0 to 100 °C		
Cell Constant	Adjustable (0.05 – 10.5)		
Temp. Co-Eff.	Adjustable : 0.1 – 4.0%		
Keyboard	Soft Touch Switches		
<b>Unit Price</b>	7,200-00	9,400-00	12,000-00



NU-326



NU-327

**Power Supply :** 12V/ 500mA External Adaptor

**Accessories :** Cond. Electrode, Electrode Stand, Dust Cover & Manual.

**Optional :** Battery cum Mains provision in all above Model (Extra) 2,500.00

### Option & Spares for Cond./T.D.S./Salinity Meters

A: Conductivity Cell 1.0 K	2,250-00	B: Conductivity Cell 0.5 K	3,000-00
C: Temperature Probe	1,000-00		

## DISSOLVED OXYGEN / TEMP. METER Lab / Field model, Portable Microprocessor Based.

Cat. No.	NU-328	NU-329
Display	LCD Display 16 X 2 Line Alphanumeric	LCD Display 16 X 2 Line Alphanumeric
Range	0 - 20 ppm	Specification same as per NU-328 + LAB  Cum  Portable  Handy, useful for Industrial Application
Resolution	0.1 ppm	
Accuracy	± 0.2% ± 1 digit	
Range Selection	Automatic	
Temperature Comp.	ATC	
Temperature Indication	Continuous 0 to 100 °C	
Keyboard	Soft Touch Switches	
<b>Unit Price</b>	12,900-00	14,700-00



NU-328



NU-329

**Accessories :** DO Probe, DO Membrane, Temp Sensor, Dust Cover & Manual.  
**Power Supply :** 12V/ 500mA External Adaptor or Battery backup unit (Optional)



## Turbidity / Nephelometers

### Lab Model Microprocessor Based.

Cat. No.	NU-331	NU-332
Specs.	Microprocessor LED Model	Microprocessor LED Model
Display	4 Digit LED	4 Digit LED
Detector	Photocell / Photodiode	
Range	0 to 20, 200, 1000 NTU/JTU, Automatic Range Selection	
Resolution	1 NTU/JTU	0.1, 1 NTU/JTU
Accuracy	±1 % FS ± 1 Digit	±1 % FS ± 1 Digit
Sample System	30 mm clear Glass Test Tube	30 mm clear Glass Test Tube
Power Supply	12V/ 500mA External Adopter or Battery backup unit (Optional)	
Light Source	High Intensity L.E.D. Reflective Lamp of selective Wave Length (To avoid self-heating of solution/Instruments due to Tungsten Lamp causes drift & changes in Kinetic properties during measurement), Testing under normal /cooled atmosphere.	
Unit Price	10,200-00	12,000-00



NU-331



NU-332

### Spares for Turbidity Meters

A : Spare L.E.D. Lamp = 800-00

B : Test Tube Set of 5 = 500-00

## PHOTO COLORIMETER MICROPROCESSOR BASED (AUTO ZERO)

### Photo Colorimeter Microprocessor Based. NU-336, NU-337 (Auto Zero),

Min. Sample Volume: 1 ml, Photo Colorimeter is a compact and easy to operate for colorimetric analysis of any Concentration. The output is displayed in terms of % Transmission (% T), Absorbance (Abs.), Concentration (Conc.) and "K" Factor. This is a unique system that combines convenience with accuracy and precision in Analysis.

Cat. No. → SPECIFICATION ↓	NU-336 Colorimeter	NU-337 Advanced Colorimeter with Conc., K Factor & Standard Measurement
Display	3 Digit L.E.D.	3 Digit L.E.D.
Wavelength Range	400 - 700 nm	400 - 700 nm
Filters	8 Filter	8 Filter
Read Out	OD ( 0-to 1.99 ), %T (0-100)	Abs. (OD): 0-to 1.99, %T: 0-100 Conc. : 1.0 - 999, "K" Factor : 1.0 - 999
Resolution	0.01 Abs., 0.1% T	0.01 Abs., 0.1% T
Accuracy	0.5 % FSI	0.5 % FSI
Key Board	2 Keys Soft Touch	3 Keys Soft Touch
Data Storage	Not Available	Up to 100 Samples
Light Source	3.5 V, 100 mA.	3.5 V, 100 mA.
Detector	Silicon Photodiode	Highly Sensitive Silicon Photodiode
Power Supply	230 V AC ± 10%, 50 Hz	230 V AC ± 10%, 50 Hz
Accessories	Test Tube : A set of 5, Dust Cover, Manual	
PRICE	Rs. 8,400-00	Rs. 10,200-00
PRICE : Battery	Rs. 9,900-00	Rs. 11,700-00
Cum Mains Operation with Rechargeable Battery, 12 V Battery Back up		



NU-336



NU-337



## HAEMOGLOBIN METER MICROPROCESSOR BASED

**Lab Model : NU-339 (Auto Zero)**

Rs. 10,200-00

Haemoglobin is an iron-containing protein found in the red blood cells. The haemoglobin level indicates the blood's oxygen-carrying capacity and can play a major role in the early diagnosis of many illness such as Thalassemia, Anemia, Leukemia etc.

NU-339 Haemoglobin Meter 3 Digit L.E.D.			
Measuring Method	Cyanmethemoglobin	<b>Zero Setting</b>	Automatic
Measuring Range	0-30 gm/dl of Hb	<b>Calibration</b>	Automatic
Dilution Ratio	1 : 25	<b>Detector</b>	Highly Sensitive Silicon Photodiode
Key Board	3 Keys Soft Touch	<b>Sample Volume</b>	1 ml
Wave Length	546 nm	<b>Power Supply</b>	230 V AC $\pm$ 10%, 50 Hz
		<b>Accessories</b>	Test Tube : 5, Dust Cover, Manual



NU-339

### Spares and Accessories for : NU-336, NU-337 & NU-339

Standard Glass Filter, Each Colour.	450-00	Selenium Photocell / Photo Diode.	1,800-00
Test Tube set of 5.	350-00	Battery-cum-Mains Operated facility in the above instruments.	1,500-00

## FLAME PHOTO METERS

**NU-343 Flame Photometer Digital (Dual Display)**

46,200-00

Filter	Standard/Regular		(Optional)		Compressor Unit
	Na	K	Ca	Li	
<b>Range</b>	0 to 100 ppm	0 to 100 ppm	15 to 100 ppm	10 to 100 ppm	<b>Air Supply :</b> Oil Free Compressor
<b>Sensitivity</b>	5 ppm	5 ppm	10 ppm	10 ppm	<b>Combustion :</b> By Precision Regulator to Control LPG feeding
<b>Readout</b>	2½ Digit Bright Red LED Display		<b>Repeatability</b>		$\pm$ 2 Counts
<b>Display</b>	Dual Display		<b>Detector</b>		Silicon Photo Diode
<b>Accuracy</b>	$\pm$ 2% upto 40 ppm, $\pm$ 5% above 40 ppm		<b>Filters</b>		Narrow Band Interface Glass Filters
<b>Ignition System</b>	Auto Ignition		<b>Nebulizer</b>		Black Bakelite, Axial Flow Type
<b>Measuring System</b>	Measure one element at a time		<b>Flame System</b>		LPG and Dry oil free air
<b>Power Supply</b>	230 V $\pm$ 10% AC, 50 Hz.		<b>Warm up Time</b>		10 Minutes
<b>Accessories</b>	Complete with Na & K Filter, Sample Holder, Air/ Gas Tubing along with Clamps, Chimney, 1 mm Silicon Tube for suction of sample liquid & Instruction Manual.				





**NU-344 Flame Photometer 128 X 64 Graphical LCD Display**

82,500-00

**With Sodium (Na) and Potassium (K) filters**

Readout : 24X4 line LCD display, Auto Ignition System,  
 Detector : Silicon Photo Diode, Filters: Narrow Band Interference Glass Filters

Nebulizer : Black Bakelite, Axial Flow Type,  
 Flame System : LPG and Dry oil free air, Up to 5 point  
 calibration, direct read out in ppm and mg/l,  
 auto Filter selection, auto ignition, single  
 aspiration, RS232 interface, with compressor  
 and other accessories,

Power Supply: 230 V ± 10% AC, 50 Hz.

**Optional : "Ca" & "Li" Filter can be supplied on extra cost of each Filter. 7,500-00**



NU-344

**NU-345 Karl Fischer Auto Titrimer**

22,500-00

Display : Array of 10 LED in Line  
 Sample Size : 1 to 50 mg of water  
 Indication : RUN ADD END Display in Auto Mode  
 K. F. Flow : Highly Sensitive solenoid control valve  
 for automatic control of K. F. Reagent.  
 K. F. Dispensing Resolution : 0.05 ml.  
 Detection : Current Sensing by Electronic Control.  
 Measuring Electrode : Dual Platinum electrode  
 Titration Cell : Air Tight 200 ml. Glass Vessel.  
 End Point Delay : 30 Seconds  
 Timer : Adjustable Timer  
 Stirrer : Variable speed magnetic stirrer with ON/OFF control  
 Buzzer : Yes  
 Burette: Pressure filling auto zero burette with 0.05 ml. Resolution.  
 Power Supply V 230 V, 10% AC, 50 Hz.

**OPTIONALS & SPARES**

A:	Dual Platinum Electrode.	3,000-00
B:	Burette Clear Glass (10ml.).	3,000-00
C:	Titration Vessel.	1,500-00
D:	Reservoir Bottle (500 ml).	1,500-00



NU-345

**PORTABLE SOIL & WATER ANALYSER KIT**

**NU-347 Water & Soil Analysis Kit Microprocessor Based (7 Parameters)**

41,700-00

Display : 16 x 2 Alphanumeric LCD  
 Operational Keys : Soft touch keys  
 Power Supply : Mains cum Battery operated with rechargeable  
 cell, at least 8 hours working after  
 Single full recharge. Fitted in brief Case,  
 Useful for field and as well as Laboratory use.

**pH**  
 Range : 0 to 14 pH  
 Resolution : 0.01 pH  
 Accuracy : 0.01 ± 1 Digit  
 Temp. Comp. : 0 to 100°C (Automatic / Manual)  
 Accuracy : ± 0.1 mV ± 1 Digit



Slope Adjust. : 80% to 120% (Automatic)  
 Auto Buffer Recognition : 3 points, Automatic 4.00, 7.00 & 9.20 pH  
 Auto pH Calibration : 3 points, Automatic 4.00, 7.00 & 9.20 pH

**mV. (ORP)**

Range : 0 to ± 1999.9 mV  
 Resolution : 1 mV

**Conductivity (E.C.)**

Range : 0-20, 0-200 uS & 0-2, 0-20, 0 to 200 uS & 0-2, 2-20, 0-200 uS.  
 Resolution : 0.1 uS  
 Range Selection : Automatic  
 Accuracy : ± 0.5% FS ± 1 Digit  
 Cell Constant : Adjustable  
 Temp. Co.-Eff. : Adjustable between 0 to 4%  
 Temp. Comp. : Automatic for entire range  
 Reference Temp : Selectable (5° to 50° C)

**T.D.S.**

Range : 0 to 20 & 0 to 200 ppm & 0 to 200 ppm & 0-2, 0-20, 0-200, 0-1000 ppt.  
 Range Selection : Automatic  
 Resolution : 0.1 ppm  
 Accuracy : ± 0.5% FS ± 1 Digit  
 Cell constant : Adjustable

**Temperature**

Range : -200°C to +200°C  
 Resolution : 0.1°C  
 Accuracy : ± 0.1°C ± 1 Digit  
 Sensor : PT100, Platinum Sensor

**D.O.**

Range : 0 to 20 ppm  
 Resolution : 0.1 ppm  
 Accuracy : 0.1 ppm ± 1 Digit  
 Temp. Comp. : Automatic & Provision for (Manual)

DO Sensor : Gold / Silver Amperometric Probe

**Salinity**

Range : 0 to 50 ppt  
 Resolution : 0.1 ppt  
 Accuracy : ± 1% of Range ± 1 Digit

**Special Features In Microprocessor Kits**

Storage : 1000 Samples with Date & Time  
 Error Indication : pH Error, Buffer Error, ORP Error  
 Interface : RS-232, Centronics & Computer  
 Real Time : 24 Hour Mode with Date  
 Digital Output : Serial Rs-232 & Parallel Centronics.  
 Print Format : All Data-Date Wise



NU-347



NU-349



**NU-349 Water & Soil Analysis Kit Microprocessor Based (8 Parameters)** 43,500-00

Specifications same as per DB-1201 with addition following Parameter

**Turbidity**

Range	:	0 to 200, 1000 NTU / JTU
Resolution	:	0.1, 1 NTU / JTU
Accuracy	:	± 1% FS ± 1 Digit
Sample System	:	30 mm Clear Glass Test Tube

**NU-353 ORP Electrode (Platinum Electrode)** 2,300-00

**NOTE :** ORP Electrode is optional for all the above models from NU-347 & 349

**NU-354 Fluorometer Digital :** 82,500-00

Display	3 Digits
Excitation Source	12V, 50W Tungsten Halogen Lamp
Sensitive Range	Adjustable in 4 Ranges
Primary Filters	Corning 5840 and Corning 5113 mounted on holders
Secondary Filters	Corning 4308, Corning 3486 & Corning 3385 mounted on holders.
Detector	Highly Sensitive wide range Photo Diode/ Cell
Sample Test Tube	15mm (D) X 80mm (H)
Sample Volume Minimum	4 ml
Power Supply	230 V ± 10% AC, 50 Hz.
Dimension	262 X 340 X 165 mm ( Aprox. )
Weight	5 Kg. ( Aprox. )
Standard Accessories	Primary and Secondary Filters : A Set of 5 Test Tube



NU-354

**COLONY COUNTERS MICROPROCESSOR**

**NU-357 Colony Counters Microprocessor** 4,900-00

Display	: 6 Digits LED
Range & Maximum Count	: 0-999999
Auto Saving Facility	: Auto saved / retaining last value in case of power failure
Dual Counting facility	: By key switch also, in case Counting Pen failure
Error Correction Facility	: In case of accidental jumping of counts mistaken (By Counting Pen or By Manual error)
Preventive Back Counting Error	: Decrement (Lockable for each step) : Facility to avoid back counting error. Safe Guard to your Labour time Value
Dish Size	: 110 mm
Magnification	: x 1.7
Power Supply	: 230 V ± 10% AC, 50 Hz



NU-357

**NU-359 Spare Colony Counter Pen** 570-00



## SPECTROPHOTOMETERS

### NU-360 Spectrophotometer UV-VIS Double Beam Microprocessor

5,34,000-00

Wavelength Range	:	190 to 1100 nm
Spectral Bandwidth	:	1 nm
Scanning Speed	:	Fast /Medium/Slow
Photometric Range	:	-0.3, -3.5A, 0-220%T
Working Mode	:	T, A, C, E
Wavelength Accuracy	:	± 0.3 nm
Baseline Flatness	:	± 0.002 A (0~100%T)
Optical System	:	Double Beam
Detector	:	Dual Silicon Photodiode
Display	:	6" High Light Blue LCD
Photometric Accuracy	:	± 0.3% T (0~100%T), ± 0.002 A (0~0.1 A)
Wavelength Reproducibility	:	< 0.10 nm
Photometric Reproducibility	:	< 0.15%T
Stray Light	:	< 0.1% T (NaI. 220 nm, NaNo2 340 nm)
Stability	:	< 0.001 A/h (At 500 nm, after warming up)
Noise	:	± 0.001 A (At 500 nm, after warming up)
Power Supply	:	230 V ± 10% AC, 50 Hz.



NU-360

**Maximum of 9 Wavelengths and 7 Samples can be measured at one time.**

**Special Feature :** Facility provided with DNA Protein Test.

**Accessories :** Glass Cells-16 Nos, Quartz Cell-4 Nos, Instrument Cover-1 No.,  
Software CD-1 No., RS232 Cable-1 No., Operation Manual-1 No.

### NU-361 Spectrophotometer UV-VIS Double Beam Microprocessor

4,89,000-00

Wavelength Range	:	190 to 1100 nm
Spectral Bandwidth	:	1 nm
Scanning Speed	:	Fast /Medium/Slow
Working Mode	:	T, A, C, E
Wavelength Accuracy	:	± 0.3 nm
Baseline Flatness	:	± 0.002 A (0~100%T)
Optical System	:	Double Beam
Detector	:	Dual Silicon Photodiode
Display	:	6" High Light Blue LCD
Photometric Accuracy	:	± 0.3% T (0~100%T), ± 0.002 A (0~0.1 A)
Wavelength Reproducibility	:	< 0.10 nm
Photometric Reproducibility	:	< 0.15%T
Stray Light	:	< 0.1% T (NaI. 220 nm, NaNo2 340 nm)
Stability	:	< 0.001 A/h (At 500 nm, after warming up)
Noise	:	± 0.001 A (At 500 nm, after warming up)
Power Supply	:	230 V ± 10% AC, 50 Hz.



NU-361

**Maximum of 10 Wavelengths and 1 Samples can be measured at one time.**

**Special Feature :** Facility provided with DNA Protein Test.

**Accessories :** Glass Cells-4 Nos, Quartz Cell-4 Nos, Instrument Cover-1 No.,  
Software CD-1 No., RS232 Cable-1 No., Operation Manual-1 No.



### NU-362 Spectrophotometer UV-VIS Single Beam Microprocessor

1,83,000-00

(Advanced Model)

The technique has enjoyed a molecular biology and the need to quantify DNA and proteins. Here, the simplicity of use, the non-destructive nature of the sampling and the cost effectiveness of the measurement has proved very beneficial in the modern laboratory.

#### SPECTRAL

Display	:	128 x 64 LCD Alphanumeric
Spectral Wavelength	:	200 to 1000 nm
Spectral Band Width	:	2 nm
Accuracy	:	± 0.5 nm
Repeatability	:	± 0.1 nm
Resolution	:	0.1 nm
Range Selection	:	Automatic Digital
Photometric Accuracy	:	± 0.1% T
Readability	:	± 0.3% T
Photometric Range	:	-0.3 to 3.0A, 0-200%T
Stray Light	:	≤ 0.3% T
Stability	:	± 0.002 A/h @ 500nm
Detector	:	Silicon Photodiode
Standard Cell Holder	:	4-position 10 mm cell changer
Light Source	:	Tungsten & Deuterium Port
Sample Holder	:	4 Position adjustable sample holder
Power Supply	:	230 V, 10% AC, 50 Hz.



NU-362

### NU-363 Spectrophotometer UV-VIS Single Beam, Microprocessor

1,61,400-00

#### SPECTRAL

Display	:	4 Digit LCD
Spectral Wavelength	:	195 to 1000 nm
Spectral Band Width	:	2 nm
Accuracy	:	± 0.5 nm

#### PHOTOMETRIC

Photometric Range	:	%T: 0 to 100%, Abs: 0 to 1.999, Conc.: 0 to 1999, K: 0 to 1.999
Data Readout	:	Single Line LCD Display.
Printer Interface	:	Printer Interface for any centronics dot matrix printer.
Serial Interface	:	RS 232 Interface
Light Source	:	Tungsten Halogen Lamp, Deuterium Lamp (D2)
Detector	:	Wide range Silicon Photodiode
Sample Holder	:	4 Position adjustable sample holder
Power Supply	:	230 V, 10% AC, 50 Hz.



NU-363

### NU-364 Spectrophotometer Visible Single Beam Microprocessor

59,700-00

Optical System	:	Single Beam, 1200 Lines/mm ruled grating
Spectral Bandwidth	:	2 nm
Wavelength Range	:	320 – 1020 nm
Wavelength Accuracy	:	± 1.0 nm
Wavelength Reproducibility	:	1 nm
Photometric Accuracy	:	± 1 % T
Photometric Repeatability	:	≤ 0.5 % T
Stray Light	:	≤ 0.5 % (T) at 360 nm, 420 nm
Stability	:	≤ 0.2% T/3 min (at %T) / ≤ 1.0 % T /3 min (at 100%T)
Photometric Range	:	0~100 % T, -0.097~2.000 A, 0~1999C (0~1999F)
Light Source	:	Tungsten-Halogen Lamp 12V/20W
Printing Facility	:	RS232 (With Window Operated Software)
Display	:	4 LED digital display
Power Requirement	:	AC 220V ±10%, 50 Hz ± 1 Hz



NU-364



## NU-365 Spectrophotometer Visible Single Beam Microprocessor Microprocessor 16 X 2 Alphanumeric Backlit LCD Display

46,200-00

Optical System	: Single Beam,
Spectral Bandwidth	: 5 nm
Wavelength Range	: 340 – 960 nm
Wavelength Reproducibility	: 1 nm
Photometric Accuracy	: $\pm 1\%$ T
Photometric Repeatability	: $\leq 0.5\%$ T
Stray Light	: $\leq 0.5\%$ (T) at 360 nm, 420 nm
Stability	: $\leq 0.2\%$ T/3 min (at %T) / $\leq 1.0\%$ T/3 min (at 100%T)
Photometric Range	: 0~100 % T, -0.097~2.000 A, 0~1999C (0~1999F)
Light Source	: Tungsten-Halogen Lamp 12V/20W
Power Requirement	: AC 220V $\pm 10\%$ , 50 Hz $\pm 1$ Hz



NU-365

## NU-366 Spectrophotometer Dual Display Digital (Data Reading & Wave Length Display)

37,200-00

Range	: 340 to 960
Resolution	: 0.1%T, Abs 0.001, Conc. 1
Output	: %T: 0 to 100%, Abs: 0 to 1.999, Conc.: 0 to 1999
Detector	: Silicon Photodiode
Light Source	: Tungsten Halogen Lamp
Gratings	: High performance Holographic grating system
Sample Holder	: 10 mm Path Length, 10 & 50 mm Path Length
Spectral Band Width	: 5 nm
Wavelength Resolution	: 1 nm
Wavelength Accuracy	: $\pm 2.5$ nm
Repeatability	: $\pm 2$ nm
Display	: 3½ Digit (Data), 3 Digit (Wavelength) LED Display
Power Supply	: 230 V, 10% AC, 50 Hz



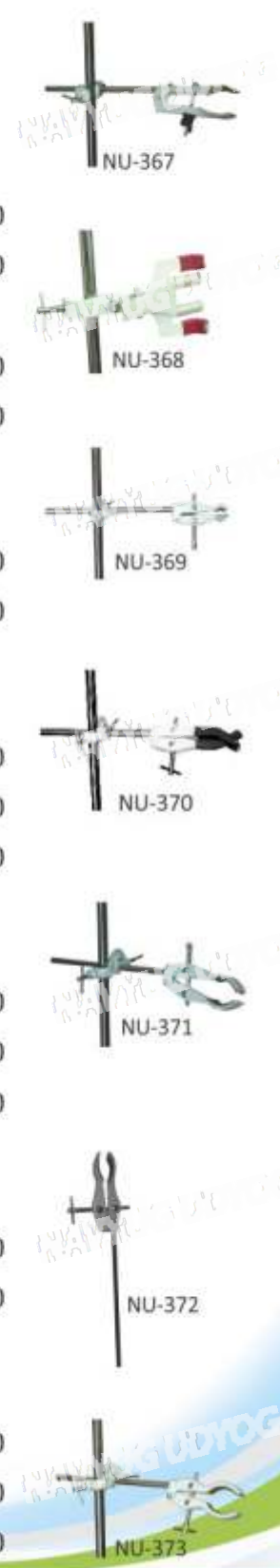
NU-366

**OPTIONAL :**

DB-1270	Cuvettes 10 mm Square glass made (1 Pair)	2,000-00
DB-1271	Cuvettes 50 mm Square glass made (1 Pair)	4,000-00
DB-1272	Cuvettes 10 mm Square Quartz made (1 Pair)	4,000-00
DB-1273	Cuvettes 50 mm Square Quartz made (1 Pair)	8,000-00



M. No	ITEM	Net Rate
	<b>LABORATORY RETORT STAND CLAMPS BOSS HEAD &amp; METAL INSTRUMENTS</b>	
NU-367	UNIVERSAL CLAMP - Sheet made die pressed spring controlled cork lined jaws to hold upto 12mm to 50 mm dia nut screw locked by spring Powder Coated.	85.00
NU-367A	Brass Chrome Plate Iron Rods C.P.	130.00
NU-368	BURETTE CLAMP – Die pressed sheet made of mild steel & power coated. To hold one burette.	85.00
NU-368A	To hold one burette To hold two burettes.	160.00
NU-369	BURETTE CLAMP – Made of al-alloy die casting Capacity hold upto 50mm dia with 7" mild steel rod cork lined power coated finish.	130.00
NU-369A	Made of brass casting & chrome plated heavy	300.00
NU-370	THREE FINGER CLAMP - Made of Al- alloy die casting capacity hold upto 90 mm dia provided M.S. 7" rod chrome plated articles jaws are rubber covered finish power coated.	165.00
NU-370A	-----do----- Made of Brass Casting & Chrome Plated	330.00
NU-370B	-----do----- Heavy Quality 12" rod.	440.00
NU-371	FOUR FINGER CLAMP – Made of Al-alloy die casting hold upto 90 mm provided with M.S. 7" rods chrome plated cork lined finish powder coated.	165.00
NU-371A	----do---- Made of brass casting & chrome plated.	300.00
NU-371B	----do----Heavy Quality 12" Rod.	400.00
NU-372	UNIVERSAL CLAMP - Made of al-alloy die casting hold upto 75mm dia provided with M.S. 7" Rod chrome plated cork lined finish powder coated.	165.00
NU-372A	----do----Made of brass casting & chrome plated.	400.00
NU-373	RETORT CLAMP – Made of Al-alloy die casting hold upto 75mm dia provided with 7" mild steel rod cork lined finish powder coated.	165.00
NU-373A	----do---- Made of brass casting & chrome plated.	300.00
NU-373B	----do---- Hold upto 125mm Heavy M.S. Rod 12"	400.00

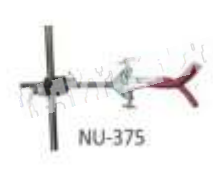




M. No	ITEM	Net Rate
NU-374	JUMBO CLAMP – Made of Al-alloy jaws are rubber sleeves hold from 60mm to 150mm dia articles mild steel rod length 12"x3/8 chrome plated powder coated.	460.00
NU-374A	----do---- Brass 12"x3/8 chrome plated.	1200.00
NU-375	CONDENSER CLAMP – Moulded brass three finger jaws adjustable by two independent screw mild steel rod 12"x3/8" chrome plated.	700.00
NU-375A	Made of Aluminium casting chrome plated rod 12"x3/8".	400.00
NU-376	CO-AXIAL CLAMP – Steel made jaws adjustable by co-axial nut hold from 18mm to 75mm dia articles mild steel rod 12"x3/8" chrome plated.	280.00
NU-376A	----do----Jaws of brass sheet chrome plated.	300.00
NU-377	THREE FINGER CO-AXIAL CLAMPS – Moulded jaws with absetos sleeves spring controlled adjustable by co-axial brass nut hold upto 75mm dia articles rod length 12"x3/8" chrome plated aluminium.	360.00
NU-377A	Jaws made brass moulding & chrome plated.	460.00
NU-378	BOSS HEAD – Made of Al-alloy die casting with mild steel screw upto 13mm dia powder coated finish.	70.00
NU-378A	BOSS HEAD – Made of brass casting heavy quality hold upto 18mm dia chrome plated.	340.00
NU-378B	----do---- 12mm	180.00
NU-379	BOSS HEAD – Die pressed sheet made powder coated Hold upto 16mm dia.	55.00
NU-380	BOSS HEAD – Made of cast ion hold upto 13mm dia T type screw powder coating.	70.00
NU-380A	----do---- Hold upto 18 mm dia rod.	110.00
NU-380B	----do---- Hold upto 25 mm dia rod	130.00



NU-374



NU-375






NU-377



NU-380





M. No	ITEM	Net Rate					
NU-381	RETORT STAND – Made of cast iron powder coated mild steel rod chrome plated.	 Powder Coated 300.00 350.00 360.00 400.00 450.00 630.00 800.00 980.00 1100.00					
	Base Size						
	6x4x18x3/8						
	7x5x24x3/8						
	8x5x24x3/8						
	8x5x24x12mm						
	8x5x24x12mm 1.300gm						
	9x6x30x12mm						
	10x6x30x12mm						
	10x8x30x12mm						
12x7x30x12mm							
NU-382	RETORT STAND - Made of mild steel with leveling screw and unbreakable nylon feet powder coated paint mild steel rod chrome plated packed in corrugated box.	 NU-382					
	RETORT STAND - Bending Type						
NU-382A	Base Size	Rate/pc.					
		NU-382	NU-382A				
	6x4x18x3/8	.00 Each	220.00				
	7x5x24x3/8	.00 Each	250.00				
	8x5x24x3/8	.00 Each	280.00				
	8x5x24x12mm	.00 Each	320.00				
	9x6x30x12mm	.00 Each	450.00				
	10x6x30x12mm	.00 Each	500.00				
12x8x30x12mm	.00 Each	620.00					
NU-383	TRIPOD STAND – Cast iron having black powder coated top zinc plated rod and plastic feet.	 NU-383					
	Size		6"x4"	7"x4"	8"x4"	6"x5"	8"x5"
	Rate	100.00	110.00	110.00	130.00	140.00	180.00



M. No	ITEM	Net Rate			
NU-384	TRIPOD STAND – Heavy cast iron round top black powder coated zinc plated rods and plastic feet.				
Size	6"x5"      7"x5"      8"x5"      8"x6"				
Rate	150.00    160.00    160.00    150.00				
NU-385	RETORT RING - Made of mild steel rod powder coated "T" Type chrome plated screw.				
	2"            2½"          3"            4"            5"				
	90.00       100.00    100.00     110.00     110.00				
NU-386	BUNSEN BURNER with stop cock brass, heavy cast iron base brass pipe chrome plated, powder coated base.				
NU-386A	Sheet made with stop cock.				
NU-387	BUNSEN BURNER - Cast iron Base brass, pipe chrome plated screw type air regulator powder coated light base.				
NU-388	BUNSEN BURNER – Sheet made powder coated.				
NU-389	BUNSEN BURNER – heavy cast iron base w/o stop cock.				
NU-390	FLAME SPENDER BRASS C.P.				
NU-391	Gas TAP – Best quality all brass Power coated goli type stop cock				
	One way    Two way    Three way    Four way				
	650.00     750.00     900.00     1100.00				
NU-392	GAS TAP – Best quality all brass chrome plated Hex stop cock				
	One way    Two way    Three way    Four way				
	350.00     450.00     580.00     780.00				
	Tripod Stand – S.S Rod      7"x5"            8"x5"				
	230.00          250.00				
NU-393	MACKER BURNER – Made of brass pipe C.P. Heavy cast iron base powder coated height 180 mm approx top dia 25mm without stop cock.				
NU-394	Same above WITH STOP COCK.				



NU-385

6"  
120.00



NU-386

260.00  
240.00



NU-388

200.00  
150.00



NU-391

150.00



NU-392

200.00



NU-394

580.00

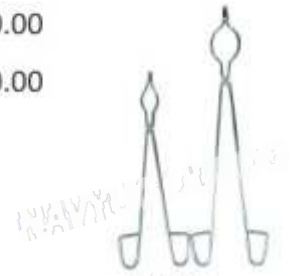
650.00



M. No	ITEM	Net Rate
NU-395	MACKER BURNER – same above height 160mm approx top dia 18 mm without stop cock.	480.00
NU-395A	Same above with stop cock.	550.00
NU-396	TECLU BURNER – Made of brass pipe chrome plated base powder coated with stop cock	750.00
NU-397	BEAKER TONGS – Made of thick wire mild steel chrome plated 12" long.	180.00
NU-398	BEAKER TONG – Stainless steel 12 long	220.00
NU-399	FURANCE TONG – Stainless steel	
	12"      15"      18"      24"	
	220.00    260.00    300.00    550.00	
NU-400	CRUCIBLE TONGS	
	Size                      6"                                      8"	
	Iron C.p.                55.00                      Iron                                      60.00	
	S.Steel                    65.00                      S.Steel                                      75.00	
	Heavy Tongs S.S    120.00                      Heavy Tongs S.S    110.00	
NU-401	Flasktong – Made of thick wire steel chrome plated 12"long.	150.00
NU-402	FLASKTONG – Stainless Steel 12"long	210.00
NU-403	CORK BORER GERMAN – Type – All Brass Chrome Plated	
	Set of 3                      Set of 6                                      Set of 12	
	Best Quality German Type 470.00                      900.00                                      2100.00	
NU-403A	Regular Quality                      140.00                      250.00                                      940.00	
NU-404	Spechula – Made of Stainless Steel sheet heavy one end spoon and one end flat.	
	Size                      5"                      6"                      8"                      10"                                      12"	
	Rate p.p                22.00                      40.00                      35.00                      50.00                                      100.00	
NU-404A	Micro Spechula – Made of stainless wire type spoon type.	
	Size                      4"                      6"                      8"                      10"                                      12"	
	Rate                      25.00                      30.00                      40.00                      46.00                                      80.00	



NU-397



NU-399



NU-402



NU-403




NU-403A









M. No	ITEM	Net Rate		
NU-405	HALFMAN'S SCREW CLIP – 12mm Brass C.P.	100.00		
NU-405A	-----DO-----18 mm Brass C.P	110.00	 NU-406	
NU-405B	-----DO-----25 mm Brass C.P	110.00		
NU-406	PENDULUM BOSS – Set of six metal dia ½"	220.00	 NU-407C	
NU-406A	same as above metal dia ¾"	300.00		
NU-406B	PENDULAM Bob – Spare Brass			
	Size	1/2"	3/4"	1"
	Rate p.p	35.00	70.00	130.00
NU-407A	CUBE Set of six metal dia 10mm	250.00	 NU-408	
NU-407B	Same above dia 19cm	600.00		
NU-407C	Same above dia 20mm	800.00		
NU-408A	RING AND BALL 3/4" dia all brass best quality	105.00	 NU-409	
NU-408C	RING AND BALL 1"dia all brass black wooden handle .	245.00		
NU-409	FILTER PUMP BRASS C.P. HEAVY	520.00		
NU-409A	TUNING FORK	336.00	 NU-409A	
NU-410	Spirit Lamp s.s	60.00	 NU-410	
NU-411	Corck Borer Machine with Borer	5200.00		
NU-412	Heating Block Stand	231.00		
<b>BEGINNING OF PHYSICS ITEMS</b>				
NU-413	BENDING OF BEAM APPARATUS	1850.00	 NU-413	
NU-413A	BENDING OF BEAM APP KOENINGS METHOD	2540.00		
NU-414	BIFILAR PENDULAM (IRON)	2300.00		
NU-414	BOYLES'S LAW DOUBLE ROD	1280.00	 NU-414	
NU-415	COMPOUND BAR PENDULAM (IRON) C.P.	695.00		
NU-416	COMPOUND BAR PENDULAM (BRASS)	2540.00		
NU-416A	COMPOUND PEUDULAM S.S	1730.00	 NU-415	
NU-417	DIP CIRCLE FIX NEEDLE BRASS	3930.00		
NU-418	DIP CIRCLE FIX NEEDEL ALMONENT	3235.00		



M. No	ITEM	Net Rate
NU-419	G-Clamp    Size    2"        3"        4"        5"        6" Rate 150.00    200.00    250.00    260.00    300.00	 NU-420
NU-420	JAGERS APPARATUS SUNMICA TOP	1520.00
NU-421	KATER'S PENDULAM (IRON)	1900.00
NU-422	KATER'S PENDULAM (BRASS) KATER'S PENDULAM S.S	5100.00 2550.00
NU-423	KATER'S PENDULAM STAND TRAEHOT	1980.00
NU-424	KUNDT'S TUBE WITH BOROSILICATE GLASS TUBE	1600.00
NU-425	K. CONSTANT SPRING AI. PIPE 1"	1600.00
NU-426	K. CONSTANT SPRING SIMPAL	870.00
NU-427	LINEAR EXPANSION HORIZONTAL (BRASS PIPE) ½ METER	1850.00
NU-428	LINEAR EXPANSION VERICAL 1/2 METER	3060.00
NU-429	LINEAR EXPANSION VERICAL 1 METER	5080.00
NU-430	LAW MOMENTS APPARATUS	3230.00
NU-431	LEE'S CHARTON'S ALL BRASS C.P.	3700.00
NU-432	MAXWELL VIBRATION NEEDLE (GRADUATED) ALL BRASS 40 CM.	3330.00
NU-433	MAXWELL NEEDLE STAND	1270.00
NU-434	OPTICAL BENCH 1 METER SUP. IRON ROD HALF SHAPPER	3350.00
NU-435	OPTICAL BENCH 1.5 METER SUP. IRON ROD HALF SHAPPER	3760.00
NU-436	OPTICAL BENCH 1 METER SUP. BRASS ROD FULL SHAPPER	4735.00
NU-437	OPTICAL BENCH 1 METER BRASS ROD FULL SHAPPER	5080.00
NU-438	OPTICAL BENCH 1 METER SS ROD FULL SHAPPER	5080.00
NU-439	OPTICAL BENCH 1.5 METER FULL SHAPPER 5.5 ROD	5540.00
NU-440	OPTICAL BENCH 1 METER SINGLE ROD IRON	2770.00
NU-441	OPTICAL BENCH 1.5 METER IRON ROD	3000.00
NU-442	PLUNGER (BRASS) 1/2 METER	1150.00
NU-443	POISSON RATION OF RUBBER TUBE APPARATUS	1960.00
NU-444	RASONANCE APP SS PIPE 1 MTR	1450.00



M. No	ITEM	Net Rate	
NU-445	RASONANCE APP BRASS PIPE	1740.00	
NU-446	RESONANCE APP IRON PIPE	1150.00	
NU-447	SAXTANT WITH STAND	8780.00	
NU-448	SONO METER BRASS FITTING	1500.00	NU-450
NU-449	SONO METER AL. FITTING	1270.00	
NU-450	TORSION PENDULUM 5" IBRASS DIA	3230.00	
NU-451	TORSION PENDULUM 5" IRON DIA	1270.00	
NU-452	TORSION APPARATUS VERTICAL (BARTON APP.)	7870.00	 NU-452
NU-453	TORSION APP 1/2 Mtr Horizontal	3050.00	
NU-454	TORSION APP 1 Mtr Horizontal	3800.00	 NU-453
NU-455	VISCOSITY APP STOCKS METHOD WITH BOROSIL GLASS TUBE	1780.00	
NU-455A	VISCOSITY APP STOCKS METHOD W/O BOROSIL GLASS TABLE	1600.00	
NU-456	SIMPLE PENDULUM IRON	990.00	
NU-457	INERTIA TABLE MOMENT	2540.00	
NU-458	INERTIA DISC	2540.00	
NU-459	INERTIA BAR	1150.00	
NU-460	CONSTANT LEVEL TANK	1560.00	
NU-461	PISEUILLES VISCOSITY APP		
NU-462	RIGIDITY TABLE	1680.00	NU-456
NU-462A	RIGIDITY WITH CAPLERY	1260.00	
NU-463	MELDIES APP MCO PATTERN		
NU-464	MELDIES APP OSWA PATTERN		 NU-457
NU-465	TORISON PENDULUM (BRIDGE TYPE BIG SIZE) 10" AC	1900.00	
NU-465A	TORISON PENDULUM (BRIDGE TYPE BIG SIZE) 6" AC	1450.00	 NU-465



## MICROSCOPES

### NU-475 CO-AXIAL MICROSCOPE

26460.00

#### TECHNICAL SPECIFICATION :

Frame	All aluminum pressure diecasted body.
Paint	P. U. coating in light cream shade.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360° rotate able and 45° inclined head with allanti0fugus coated prisms.
Focusing system	Co-axial focusing system with three planetary gears assembly.
Mechanical stage	CXL Ball bearing mechanical stage for smooth functioning.
Condenser	Bright field sub stage condenser having 1.2 N. A.
Eyepieces & objective	Set of 4x, 10x 40x and 100x and a paired set of 10x wide field eyepieces.
Illumination	6V/20W halogen lamp need 220V and 50Hz supply. <b>(optional LED illumination system also available with battery backup).</b>



NU-475

### NU-476 CO-AXIAL 02 BINOCULAR MICROSCOPE

21400.00

#### TECHNICAL SPECIFICATION :

Frame	All aluminum pressure diecasted body.
Paint	P. U. coating in light cream shade.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360° rotate able and 45° inclined head with allanti-fugus coated prisms.
Focusing system	Co-axial focusing system with three planetary gears assembly.
Mechanical stage	CXL Ball bearing double-plate mechanical stage for smooth functioning.
Condenser	Bright field sub stage condenser having 1.2 N. A.
Eyepieces & objective	Set of 4x, 10x 40x and 100x and a paired set of 10x wide field eyepieces.
Illumination	6V/20W halogen lamp need 220V and 50Hz supply. <b>(optional LED illumination system also available with battery backup).</b>



NU-476

### NU-477 CO-AXIAL 03 BINOCULAR MICROSCOPE

18000.00

#### TECHNICAL SPECIFICATION :

Frame	All aluminum pressure diecasted body.
Paint	P. U. coating in light cream shade.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360° rotate able and 45° inclined head with allanti-fugus coated prisms.
Focusing system	Co-axial focusing system with three planetary gears assembly. With slide protection lock.
Mechanical stage	CXL Ball bearing double-plate mechanical stage for smooth functioning.
Condenser	Bright field sub stage condenser having 1.2 N. A.
Eyepieces & objective	Set of 4x, 10x 40x and 100x and a paired set of 10x wide field eyepieces.
Illumination	6V/20W halogen lamp need 220V and 50Hz supply. <b>(optional LED illumination system also available with battery backup).</b>



NU-477



## NU-478 CO-AXIAL 04 BINOCULAR MICROSCOPE

31500.00

### TECHNICAL SPECIFICATION :

Frame	All aluminum pressure diecasted body.
Paint	P. U. coating in light cream shade.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360° rotate able and 45° inclined head with allanti-fugus coated prisms.
Focusing system	Co-axial focusing system with three planetary gears assembly. With slide protection lock.
Mechanical stage	CXL Ball bearing double Layer mechanical stage for smooth functioning.
Condenser	Bright field sub stage condenser having 1.2 N. A.
Eyepieces & objective	Set of 4x, 10x 40x and 100x and a paired set of 10x wide field eyepieces.
Illumination	6V/20W halogen lamp need 220V and 50Hz supply. <b>(optional LED illumination system also available with battery backup).</b>



NU-478

## NU-479 INCLINED RESEARCH MICROSCOPE

15550.00

### TECHNICAL SPECIFICATION :

Frame	All aluminum pressure diecasted body.
Paint	Powder coating available in various desired shades.
Nose piece	Quadruple ball bearing nosepiece.
Observation head	360° rotate able and 45° inclined head with allanti-fugus coated prisms.
Focusing system	Separate knobs for cores and fine motion having least count of .002 mm.
Mechanical stage	CXL mechanical stage works on dovetail slides. (other stage also available)
Condenser	Bright field sub stage condenser having 1.2 N. A.
Eyepieces & objective	Set of 4x, 10x 40x and 100x and a paired set of 10x wide field eyepieces.
Illumination	6V/20W halogen lamp need 220V and 50Hz supply.



NU-479

## NU-480 DISSECTING MICROSCOPE

2770.00

### TECHNICAL SPECIFICATION :

Stand	Stable & Robudt with round base.
Body	Equipped with joint revolving arm for moving the magnifying lens over the stage.
Focusing	Corse motion corse movement by rack and pinoin.
Eyepieces	Two eye-poices of 10x and 20x.



NU-480

## NU-481 MEDICAL MICROSCOPE

8100.00



NU-481





**TECHNICAL SPECIFICATION :**

Stand	Stable & Robust, traditional Horse Shoe base.
Body	Inclined through 90°, standard tube length of 160 mm.
Focusing	Separate coarse and fine focusing knob with graduation on one side. Coarse movement by Rack & Pinion and Fine movement by screw lever mechanism.
Mechanical Stage	For X-Y movements, works on dovetail slides. (other stage also available)
Nosepiece	Triple revolving Nosepiece is provided with positive click stop for proper centering.
Stage	Fixed square stage 125x125 mm with stage clips to hold the slide.
Illumination	Illumination through a 50 mm diameter plano concave mirror mounted on gimbal mount.
Objective	Two Achromatic Objectives of 10x & 40x (SL), 100x (Oil, SL)
Eyepieces	Two Huygenian Eyepiece of 6x, 10x or 15x.
Condenser	Moveable condenser is provided with iris diaphragm having 1.2 N. A.

**NU-482 STUDENT MICROSCOPE**

4900.00

**TECHNICAL SPECIFICATION :**

Stand	Stable & Robust, traditional Horse Shoe base.
Body	Inclined through 90°, standard tube length of 160 mm.
Focusing	Separate coarse and fine focusing knob with graduation on one side. Coarse movement by Rack & Pinion and Fine movement by screw lever mechanism.
Nosepiece	Triple revolving Nosepiece is provided with positive click stop for proper centering.
Stage	Fixed square stage 125x125 mm with stage clips to hold the slide.
Illumination	Illumination through a 50 mm diameter plano concave mirror mounted on gimbal mount.
Objective	Two Achromatic Objectives of 10x & 40x (SL)
Eyepieces	Two Huygenian Eyepiece of 6x, 10x or 15x.
Condenser	Sub stage Abbe condenser with N. A. 1.25 moves up and down by rack & pinion. Iris diaphragm and filter holder are mounted with the condenser.



NU-482

**NU-483 ZOOM STEREO BINOCULAR MICROSCOPE**

46620.00

**TECHNICAL SPECIFICATION :**

Frame	All aluminum pressure diecasted body.
Paint	P. U. coating in light cream shade.
Observation head	45 - Degrees inclined binocular head can be rotated through 360- deg.
Magnification	Standard magnification from 7x to 45x ( zooming ratio 1:6:4)
Focusing	Rack and Pinion focussing system, single stroke upto 50mm.
Eyepieces	High point Wide Field Eyepiece HWF 10x in pair & WF 10x
Illumination	Incident and transmitted illumination 20 W, halogen lamp. (optional Ring Illuminator)



NU-483

**NU-484 STEREO BINOCULAR MICROSCOPE**

15550.00

**TECHNICAL SPECIFICATION :**

Stand	Available in different configuration for specific applications, with dual illumination, for surface and transmitted illumination, versatile stand can be used for specimen upto 60 mm thickness
Focusing	Vertical movement controlled by coarse focusing large sized knobs.
Eyepieces	10x (paired) with extra wide field.
Objectives	Paired Achromatic Objectives 1x & 3x or 2x & 4x.
Illumination	Built-in illumination for incident (EPI) light and sub-stage (Transmitted) light.



NU-484

**Note:** All CxL Model are available with L.E.D. light source . It will cost Rs. 4000.00 extra.  
 All CxI Models are available with semi-plain & plain optics.





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## New Addition



INFRARED MOISTURE  
BALANCE



APSULE FILLING  
MACHINE



KYMOGRAPH  
SUPER SPEED



DOUBLE CONE  
BLENDER



LEAK TEST  
APPARATUS

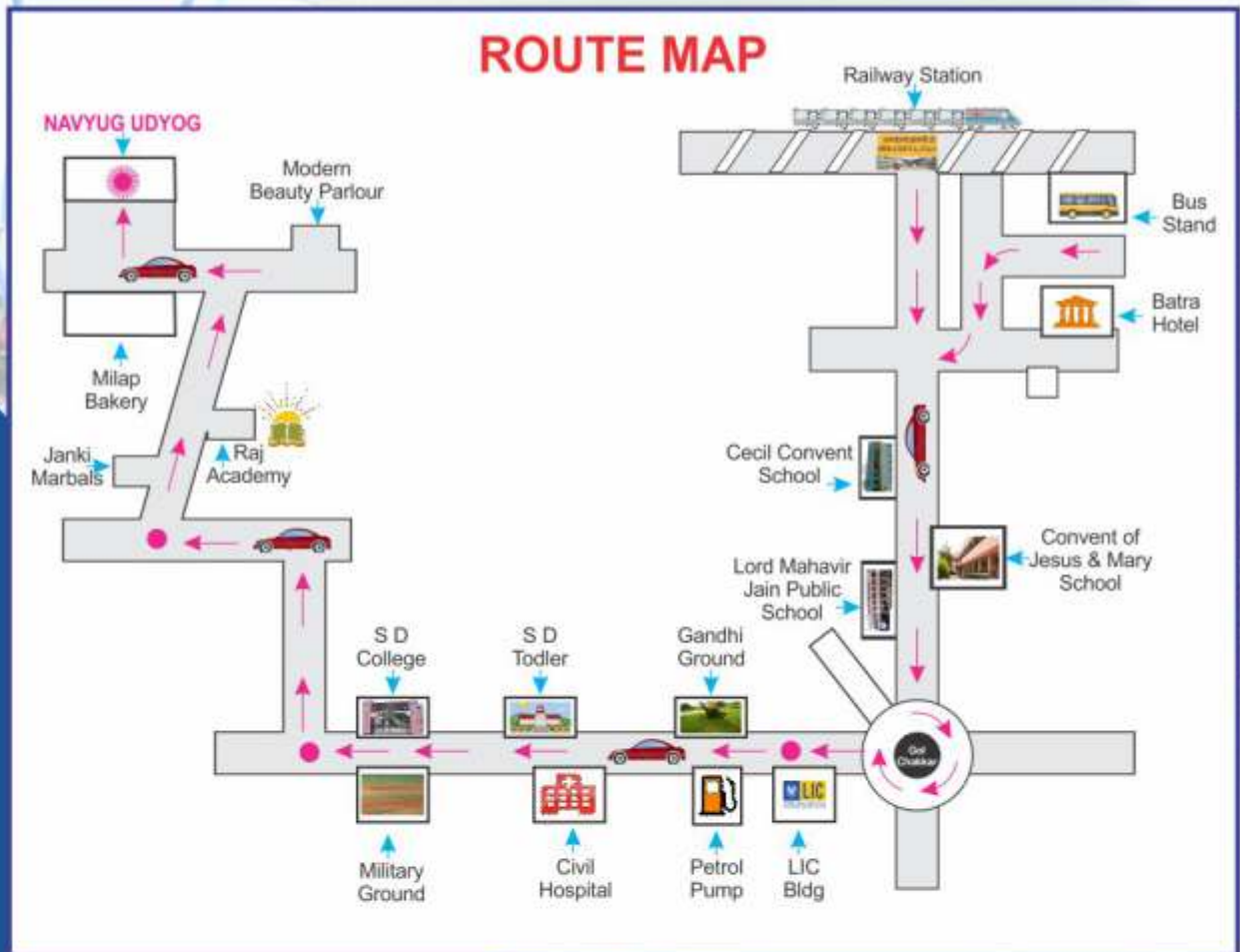


- (i) Place the Product in a wide & suitable place. Do not operate in open sunlight.
- (ii) Plug the socket & load correctly & safely. Do not stand if surface is wet.
- (iii) Do not operate without adding your item or example in it.
- (iv) Set the value by using Nob or Bottons available.
- (v) Do not open while running on high temp. Use gloves while opening after using.
- (vi) Remove the disposal or waste from the product unplug the socket before leaving.

Since 1989

# NAVYUG UDYOG

An ISO 9001, CE, WHO-GMP Certified Company



Manufacturers:

## NAVYUG UDYOG

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