



**htigo**<sup>®</sup>  
(INDIA)

An ISO 9001: 2008  
WHO-GMP & CE Certified Company

# HI-TECH INSTRUMENTS

Manufacturers • Suppliers • Exporters • Importers

*Catalogue*





**htigo**<sup>®</sup>  
(INDIA)

## HI-TECH INSTRUMENTS

**OFFICE :** SCO 623-624, Kesho Ram Complex  
Cabin No.204, Sector 45c, Chandigarh,  
Chandigarh, Chandigarh (04) - 160047.

**MOBILE :** +918146486828

**Website:** <http://hticoinstruments.com>

**Email Id :** sale.hitechinstrument@gmail.com,

# OUR CERTIFICATIONS





**HI-TECH INSTRUMENTS** is an established nascent company backed by more than a decade of manufacturing experience in the field of Scientific Equipments, Pharmaceutical Equipments, Hospital related products, Clean Air Equipments, Agricultural & Dairy Products , Laboratory Glassware, Surgical Products, Microscopes, Chemicals etc.

Chandigarh being the hub of Scientific goods manufacturers and with the support of local commercial partners, endeavours to make available the comprehensive range of Scientific equipments, instruments and lab ware of high quality at the best prices.

While we focus on the Scientific Equipments, Pharmaceutical Equipments, Hospital related products, Clean Air Equipments, Agricultural & Dairy Products, Laboratory Glassware, Surgical Products, Microscopes, Chemicals etc. we can also engage in other related areas. Our Customers can be assured of our long term commitment for quality and our ability to complete the orders well in time. This book offers a combination of our product lines to bring you the greatest selection of quality products available in the industry.

A trusted name in the industry, Hi-tech instruments was established with an objective to be recognized as one of India's leading manufacturers, exporters and marketers of high quality laboratory instruments and scientific equipments. We specialize in manufacturing, marketing and servicing of equipment required by Blood Banks, Hospitals, Research Centres, Pharmaceutical Industry, Agriculture and Dairy sectors & Clinical Laboratories. We manufacture our products under the brand name of "HTICO". Our high-quality products are the results of years of technological research.

A trusted name in the industry, Hi-tech instruments was established with an objective to be recognized as one of India's leading manufacturers, exporters and marketers of high quality laboratory instruments and scientific equipments. We specialize in manufacturing, marketing and servicing of equipment required by Blood Banks, Hospitals, Research Centres, Pharmaceutical Industry, Agriculture and Dairy sectors & Clinical Laboratories. We manufacture our products under the brand name of "HTICO". Our high-quality products are the results of years of technological research.

The company's vertical orientation to manufacturing ensures total quality control of its finished products as all aspects of design and manufacture are performed in the company's modern production facilities. Hi tech continued investment in state-of-the-art manufacturing technologies and machine tools giving the company's products a distinct advantage in the world market, without sacrificing the quality of the laboratory instruments and scientific equipments.

Our compliance with highly precise customer specifications serves as a constant objective for our company. Our commitment to precision workmanship with unsurpassed customer service has earned us the reputation of a quality manufacturer. At Hi tech, we recognize that our job is not complete until our customer is completely satisfied. We always strive our best to offer quality products and prompt – after – sales – service to our reputed clients.





**INDEX**

<b>A</b>		
ABBE REFRACTOMETERMODEL .....	23	
ACTO PHOTO METER .....	17	
AIR CURTAIN .....	14	
ALGOMETER .....	17	
AMPOULE CLARITY .....	17	
AMPOULE FILLING & SEALING DEVICE .....	17	
AMPOULE WASHING .....	17	
ANALGESIOMETER .....	17	
ANTIBIOTIC ZONE READER .....	17	
ASEPTIC CABINET .....	17	
AUTOCLAVES .....	11	
AUTOMATIC RAZOR KNIFE SHARPEN .....	24	
AUTOMATIC TISSUE PROCESSOR .....	22	
AUTOPSYTABLE .....	17	
<b>B</b>		
B.O.D. INCUBATOR .....	2	
BALL MILL .....	17	
BICYCLE ALGOMETER .....	17	
BIOLOGICAL SAFETY CABINET .....	14	
BLOOD BANK REFRIGERATOR .....	13	
BONE CUTTING MACHINE .....	18	
BOTTLE CAP SEALING MACHINE .....	17	
BOTTLE FILLING MACHINE .....	17	
BOTTLE WASHING MACHINE .....	18	
BULK DENSITY APPARATUS .....	17	
BUTYRO REFRACTOMETER .....	23	
<b>C</b>		
CAPSULE COUNTER .....	18	
CAPSULE FILLING MACHINE .....	18	
CENTRIFUGE RECTANGULAR .....	9	
COLLAPSIBLE TUBE FILLING MACHINE .....	18	
COLONY COUNTERS .....	28	
CONDUCTIVITY METER DIGITAL .....	25	
CONST. TEMP. REFRIGERATION LIQUID BATH .....	4	
COOK'S POLE CLIMBING .....	18	
CUBE MIXER .....	20	
<b>D</b>		
DALE BATH APPARATUS .....	18	
DEEP FREEZER .....	13	
DE-HUMIDIFIER .....	15	
DESTRUCTOR INCINERATOR .....	15	
DISPENSING & SAMPLING BOOTH .....	14	
DISSOLVED OXYGEN METER .....	25	
DOUBLE CONE BLENDER .....	19	
DOUGLAS BAG .....	18	
DRYING OVEN INDUSTRIAL .....	1	
<b>E</b>		
EGG INCUBATOR .....	2	
ELECTRO CONVULSIOMETER .....	18	
ENVIRONMENTAL CHAMBER (STABILITY CHAM BER) .....	12	
<b>F</b>		
FLAME PHOTOMETER .....	26	
FUME HOOD .....	14	
<b>G</b>		
GADUUMS OUTFLOW RECORDER .....	18	
GLASS BEAD STERILIZER .....	13	
<b>H</b>		
HAND GRIP DYNAMETERS .....	18	
HAND REFRACTOMETER .....	23	
HEATING MANTLES .....	6	
HISTAMINE CHAMBER .....	18	
HOOK GRIP .....	18	
HORIZONTAL LAMINAR CABINET .....	13	
HOT AIR UNIVERSAL OVEN .....	1	
HOT PLATES .....	7	
HUMIDIFIER .....	15	
HUMIDITY CABINET .....	12	
<b>I</b>		
INCUBATOR BACTERIOLOGICAL .....	2	
INFRARED MOISTURE BALANCE .....	16	
INOCULATION CHAMBER .....	15	
<b>J</b>		
JAR TEST APPARATUS .....	18	
<b>K</b>		
KARL FISCHER AUTO TITRIMETER .....	27	
KJELDHAL UNITS .....	10	
KYMOGRAPH .....	18-19	
<b>L</b>		
LAB WILLEY GRINDER .....	16	
LABORATORY STIRRER .....	6	
LEAK TEST APPARATUS .....	19	
LIPSTICK MOULD .....	20	
LUCUS MOIST CHAMBER .....	19	
LYPHOLIZER (FREEZE DRYER) .....	13	
<b>M</b>		
MAGNETIC STIRRER .....	6	
MAMMALIAN HEART PERFUSION ASSEMBLY .....	19	
MARRY TAMBOUR .....	19	
MATERIAL STORAGE CABINET .....	15	
MEDICO/CLINICAL CENTRIFUGE .....	9	
MELTING POINT APPARATUS .....	8-9	
MICROTOME SPENCER .....	23	
MOISTURE ANALYSER .....	16	
MORSE MIXER .....	19	
MORTUARY CHAMBER .....	12	
MOSSSES ARGOGRAPH .....	19	
<b>O</b>		
OVER HEAD PROJECTOR .....	16	
OIL BATH .....	4	
OLFACTOMER .....	19	
OPERATION TABLE FOR ANIMALS .....	19	
OPERATION TABLE SMALL .....	20	
ORBITAL SHAKING INCUBATOR .....	3	
ORP ELECTRODE .....	28	
OVER HEAD PROJECTOR .....	16	



**P**

PERIMETER.....	20
PERMEABILITY CUP .....	20
pH METER .....	24
PHOTO COLORIMETER .....	26
PHYSIOGRAPH.....	20
PIPETTE WASHER .....	9
PISTON RECORDER .....	20
PLANT GROWTH CHAMBER.....	12
PLENTY MIXER.....	20
PLETHYSMOGRAPH.....	20
POLYGRAPH.....	20
POTENTIOMETER DIGITAL.....	24
PROJECTION SCREEN .....	16
PULVELIZER .....	20

**R**

RECIPROCATING SHAKINGMACHINE (KAHNTYPE).....	7
RECTANGULAR MUFFLE FURNACE.....	5-6
REFRIGERATED-LIQUIDBATH .....	5
RESEARCH POLARIMETER .....	23
RESPIRATION PUMP .....	20
ROTA ROD .....	20
ROTARY MICROTOME (Erma Type).....	23
ROTARYSHAKER (VDRL).....	7
ROTARYSHAKER (PLATFORMTYPE).....	8
ROTARYVACUUM BUCHI VAPORATOR.....	8

**S**

SALINITY METERDIGITAL .....	25
SEED GERMINATOR .....	11-12
SENIOR PRECISION ROTARYMICROTOME .....	23
SEROLOGICAL WATERBATH .....	3
SIEVE SHAKER GRATORY .....	8
SLEDGE MICROTOME .....	23
SLIDE CABINET .....	15
SLIDE WARMING TABLE .....	7
SOXHLET EXTRACTION UNITS .....	10
SPARE COLONY COUNTER PEN .....	28
SPECTROPHOTOMETERS.....	28
STEP DOWN TRANSFORMER.....	21
STERILITY TEST .....	20
STETHOGRAPH.....	21
STUDENT ORGAN BATH .....	21
STUDENT POLARIMETER.....	22
STUDENT SPIROMETER.....	21
SUPPOSITORYMOLDS .....	21
SWIMMINGTEST APPARATUS.....	20

**T**

T.D.S. METER DIGITAL .....	25
TABLET COATING PAN.....	22
TABLET COUNTER.....	21
TABLET DISINTEGRATIONAPPARATUS.....	21
TABLET DISSOLUTIONAPPARATUS.....	21
TABLET FRIABILITYAPPARATUS.....	21

**U**

TABLET HARDNESS TESTER .....	22
TABLET MAKING MACHINE .....	22
TABLET POLISHINGPAN .....	22
TELETHERMOMETER .....	22
TETANUS SET .....	22
THIN LAYER CHROMATOGRAPHY APP. (TLC) .....	16
TINCTURE PRESS .....	22
TISSUE CULTURE HOOD.....	14
TISSUE CULTURE RACK .....	14
TISSUE HOMOGENIZER.....	6
TISSUE PROCESSING UNIT .....	22
TRAY DRYER.....	1
TUBE HEATING BLOCK .....	10
TURBIDITY/NEPHELOMETERS.....	26

**U**

U.V. INSPECTION CABINET.....	15
ULTRA SONICBATH .....	4
UNIVERSAL WATER BATH .....	4

**V**

VACCUM OVEN .....	1
VACUUM PUMP .....	9
VARIABLE INTERRUPTER .....	22
VARNISH TRAY .....	22
VENUS PRESSURE APPARATUS .....	23
VERTICAL LAMINAR CABINET.....	13
VOLUME RECORDER .....	22
VORTEX SHAKER .....	7

**W**

WALK-IN-INCUBATOR .....	3
WATER AND SOIL ANALYSER KIT.....	27-28
WATER BATHINCUBATOR SHAKER .....	5
WATER BATH PARAFFIN .....	4
WATER BATH PRECISION .....	4
WATER BATHRECTANGULAR .....	3
WATER BATH TISSUE FLOTATION.....	4
WATER BATHWITH PUMP .....	3
WATER STILL .....	5
WRIST ACTION SHAKER.....	7

Call us at 8360308092,9779772707



**htigo**<sup>®</sup>  
(INDIA)



**OVENS**

**HTI-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 mm/inches	(HxWxD) Shelves	No. of liters	Capacity (approx) Chamber	Aluminium Chamber	S.S
A.	300 x 300 x 300	(12" x 12" x 12")	2	28	8000.00	11200.00
B.	350 x 350 x 350	(14" x 14" x 14")	2	45	8500.00	11700.00
C.	400 x 400 x 400	(16" x 16" x 16")	2	65	12000.00	16000.00
D.	450 x 450 x 450	(18" x 18" x 18")	2	95	13500.00	17300.00
E.	600 x 450 x 450	(24" x 18" x 18")	2	125	17600.00	26000.00
F.	600 x 600 x 600	(24" x 24" x 24")	2	224	21500.00	31000.00
G.	900 x 600 x 450	(36" x 24" x 18")	2	252	28700.00	44800.00
H.	900 x 600 x 600	(36" x 24" x 24")	2	336	34700.00	54600.00
I.	900 x 900 x 900	(36" x 36" x 36")	3	720	54600.00	86800.00

- Optional :**
- 1 Air Circulating Fan 3600.00
  - 2 Timer 0-2 Hours 3900.00
  - 3 Digital Temp, indicator-cum-controller 9200.00
  - 4 Microprocessor PID digital temp, Indicator-cum-controller with timer 16800.00
  - 5 Digital temp. indicator 4750.00

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



**HTI-101**

**HTI-102 DRYING OVEN INDUSTRIAL**

Double walled & double door. Temp. controlled by thermostat with dial type thermometer. Forced air blower.

	Chamber Size (HxWxD) mm	Inches	
A.	900 x 600 x 600	(36" x 24" x 24")	68500.00
B.	1200 x 900 x 900	(48" x 36" x 36")	81200.00
C.	1500 x 900 x 900	(60" x 36" x 36")	110600.00
D.	1800 x 1200 x 900	(72" x 48" x 36")	117600.00

- Optional :**
- (i) Timer 0-24 hours 3900.00
  - (ii) Digital Temp. Indicator-cum-Controller 9200.00
  - (iii) Digital temp. Indicator 4750.00



**HTI-102**

**HTI-103 TRAY DRYER**

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

	Chamber Size (HxWxD) mm	Tray Inches	Tray Capacity S.S.	Outer inner G.M.P	Inner S.S.	Complete M.S.
A.	430 x 840 x 650	8 tray	16" x 32" x 1 1/4"	130200.00	61600.00	56000.00
B.	430 x 840 x 910	12 tray	16" x 32" x 1 1/4"	145600.00	75600.00	67200.00
C.	910 x 840 x 910	24 tray	16" x 32" x 1 1/4"	224000.00	109200.00	91000.00
D.	960 x 1270 x 1450	48 tray	16" x 32" x 1 1/4"	380800.00	182000.00	148400.00
E.	960 x 1700 x 1700	96 tray	16" x 32" x 1 1/4"	532000.00	273000.00	210000.00

- Optional :**
- (i) Timer 0-24 hours 3900.00
  - (ii) Digital Temp. Indicator-cum-Controller 9200.00
  - (iii) Tray 16"x32"x1 1/4" Size P.O.R

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



**HTI-103**

**HTI-106 OVEN VACUUM**

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



**HTI-106**



Chamber Size in mm			
	Dia	Depth	Capacity (Approx)
A.	250 x 300		12 ltrs
B.	300 x 300		24 ltrs
C.	300 x 500		40 ltrs

Optional : 1 Digital Temp, indicator-cum-controller	9200.00
2 Microprocessor PID digital temp, Indicator-cum-controller with timer.	16800.00
3 Digital temp. indicator	4750.00

**INCUBATORS**

**HTI-107 INCUBATOR BACTERIOLOGICAL**

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

Chamber Size (H x W x D) mm	inches	No. of Shelves	Capacity (approx) litres	Aluminium Chamber	S.S Chamber
A. 300 x 300 x 300	(12" x 12" x 12")	2	28 ltrs	8000.00	11550.00
B. 350 x 350 x 350	(14" x 14" x 14")	2	45 ltrs	8700.00	12000.00
C. 400 x 400 x 400	(16" x 16" x 16")	2	65 ltrs	12000.00	16100.00
D. 450 x 450 x 450	(18" x 18" x 18")	2	95 ltrs	13600.00	17500.00
E. 600 x 450 x 450	(24" x 18" x 18")	2	125 ltrs	17900.00	26500.00
F. 600 x 600 x 600	(24" x 24" x 24")	2	224 ltrs	22000.00	31500.00
G. 900 x 600 x 450	(36" x 24" x 18")	2	252 ltrs	29100.00	45200.00
H. 900 x 600 x 600	(36" x 24" x 24")	2	336 ltrs	35000.00	55900.00
I. 900 x 900 x 900	(36" x 36" x 36")	3	720 ltrs	55000.00	88900.00

Optional : 1 Air Circulating Fan	3600.00
2 Digital Temp. Indicator-cum-controller	9200.00
3 Microprocessor PID digital temp Indicator-cum-controller with timer	16800.00
4 Digital Temp. Indicator	4750.00
5 Timer 0-24 hrs.	3900.00

**HTI-108 EGG INCUBATOR**

Manual tilting device Capacity	
A. 50 eggs	32200.00
B. 100 eggs	46200.00
C. 200 eggs	69300.00
D. 250 eggs	92400.00

**HTI-109 B.O.D. INCUBATOR**

Temp range 5-C to 50-C with accuracy - 1-C. Double walled, inside anodized aluminum/stainless steel and outside M.S. (Powder coated) to work on 220/230 volts A.C.50 Hz.

Inner Chamber Size In mm (W x D x H)	Capacity In Cu.ft.	Capacity in liters	Aluminium Chamber	S.S Chamber
A. 455 x 410 x 610	4	112 ltrs	61600.00	70800.00
B. 505 x 415 x 830	6.1	171 ltrs	73900.00	87800.00
C. 565 x 565 x 865	10	280 ltrs	91000.00	106400.00
D. 650 x 580 x 900	12	336 ltrs	100000.00	112000.00
E. 700 x 650 x 900	15	420 ltrs	109200.00	128800.00

Optional : 1 Time 0-2 Hours	3900.00
2 Digital Temp, indicator-cum-controller	9200.00
3 Microprocessor PID digital temp, Indicator-cum-controller with timer	16800.00
4 CO2 air mixer nozzle is provided.	1700.00



HTI-107



HTI-108



HTI-109

5. Automatic voltage stabilizer 3-5KVA (recommended must)

P.O.R.

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

**HTI-110 ORBITAL SHAKING INCUBATOR cum B.O.D. INCUBATOR**

Capacity 16 x 500 ml. Flax temp. 5°C above ambient to 60°C. 116200.00

Same as HTI-109 but temp. range 5°C TO 60°C with lighting arrangement to hold 16 flasks

of 250 ml or 500 ml. 151200.00

- Optional :**
- 1 Time 0-2 Hours 3900.00
  - 2 Digital Temp, indicator-cum-controller 9200.00
  - 3 Microprocessor PID digital temp, Indicator-cum-controller with timer 16800.00
  - 4 Automatic Voltage Stabilizer 3-5 KVA (recommended must) P.O.R.



HTI-110

**HTI-110 B WALK-IN-INCUBATOR**

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

Available sizes W x H x D (1.1 x 2.3 x 1.1 meters) 644000.00

**HTI-110 D WALK-IN-INCUBATOR**

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

Available sizes W x H x D (1.1 x 2.3 x 1.1 meters) 939400.00



HTI-111

**BATHS**

**HTI-111 SEROLOGICAL WATER BATH**

Temp. upto 80°C accuracy ±1°C to work on 220-240 Volt AC 50 Hz.

	Size Inside Chamber	(Stainless Steel)	Cap.(approx)	
A.	300 x 175 x 175 mm	suitable for 1 rack	12 ltrs	5700.00
B.	300 x 250 x 175 mm	suitable for 2 rack	14 ltrs	6400.00
C.	375 x 300 x 175 mm	suitable for 4 rack	18 ltrs	8700.00
D.	455 x 300 x 175 mm	suitable for 6 rack	25 ltrs	10800.00
E.	600 x 300 x 175 mm	suitable for 8 rack	32 ltrs	13150.00

- Optional :**
- 1 Digital Temp. indicator-cum-controller 9200.00
  - 2 Digital Temp. indicator 4750.00
  - 3 Microprocessor PID digital temp, Indicator-cum-controller with timer 16800.00
  - 4 Stirrer with 1/20hp high speed motor with stainless stirring rod and blade 3600.00

**HTI-111 A WATER BATH WITH PUMP**

For B.R. Reflectometer 7850.00



HTI-112

**HTI-112 WATER BATH RECTANGULAR (Double Wall)**

Temp. up to 99.8°C

	Size inside(Stainless Steel)	Cap.(Approx)		
A.	300 x 250 x 100 mm	6 holes of 75 mm dia.	8 ltrs	6700.00
B.	355 x 405 x 100 mm	12 holes of 75 mm dia	15 ltrs	9200.00

- Optional :**
- 1 Digital Temp. indicator-cum-controller 9200.00
  - 2 Digital Temp. indicator 4750.00
  - 3 Microprocessor PID digital temp, Indicator-cum-controller with timer 16800.00
  - 4 Stirrer with 1/20hp high speed motor with stainless stirring rod and blade 3600.00



HTI-113

**HTI-113 WATER BATH RECTANGULAR (Single Wall)** Temp. upto 99.8°C

	Size inside(Stainless Steel)	Cap.(Approx)		
A.	300 x 250 x 100 mm	6 holes of 75 mm dia.	8 ltrs	4200.00
B.	355 x 405 x 100 mm	12 holes of 75 mm dia.	15 ltrs	5900.00

**HTI-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" x 10" x 9")	22400.00
B.	450 x 375 x 375 mm	(18" x 15" x 15")	27700.00
C.	600 x 450 x 450 mm	(24" x 18" x 18")	36400.00

**Optional:** 1 Digital Temp. indicator-cum-controller instead contact thermometer. 9200.00  
2 Microprocessor PID digital tem. Indicator-cum-controller with timer instead of constant thermometer with timer. 16800.00



**HTI-114**

**HTI-114 A ULTRA SONIC BATH**

	Chamber Size		
A.	9 x 5 x 2½"	1.6 ltr	37000.00
B.	12" x 6" x 4"	3.6 ltr	53200.00
C.		6 ltr	73900.00
D.		9ltrs	86250.00



**HTI-114 A**

**HTI-114 B WATER BATH PARAFFIN**

Thermostatically Controlled. Doubled Walled with Cups And Shelves For Glass Tubes. Temp Up to 95°C with accuracy of- 0.5°C to - 1°C. Stainless steel

A.	4 cups & 6 shelves	6700.00
B.	6 cups & 8 shelves	7400.00
C.	12 cups & 14 shelves	10400.00



**HTI-114 B**

**HTI-115 WATER BATH TISSUE FLOTATION**

Thermostatically Controlled. Doubled Walled Inner Chamber of black oxidized aluminum sheet

	Dia x Depth	
A.	200 mm x 75 mm	5300.00
B.	250 mm x 125 mm	6200.00



**HTI-115**

**HTI-116 OIL BATH (High Temp.) with Stirrer**

	Chamber Size		
A.	250 x 250 x 250 mm	10" x 10" x 10"	14850.00
B.	300 x 300 x 250 mm	12" x 12" x 10"	15400.00
C.	350 x 350 x 250 mm	14" x 14" x 10"	19600.00

**Optional:** 1. Mercury contact thermometer and relay with accuracy better than 1-C. 3350.00  
2. Digital Temp. indicator-cum-controller 9200.00  
3. Microprocessor PID digital temp. Indicator-cum-controller with timer 16800.00  
4. Digital temp .indicator 4750.00



**HTI-116**

**HTI-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" x 7")	14 ltrs	8700.00
B.	450 x 300 x 175 mm	(18" x 12" x 7")	25 ltrs	11800.00

**Optional:** 1. Stirring arrangement with stainless steel rod & blades 3600.00  
2. Digital temp .indicator 4750.00  
3. Digital Temp. indicator-cum-controller 9200.00  
4. Microprocessor PID digital temp. Indicator-cum-controller with timer 16800.00



**HTI-117**

**HTI-118 CONSTANT TEMPERATURE REFRIGERATION-LIQUID BATH (Cooling bath)**

Double wall, glass window on both opposite sides, temp. 5-C to 95-C accuracy - 5-C to work on 220-240V AC. Fitted with digital temp. Indicator-cum-Controller instead of contact thermometer.

	Chamber Size	Capacity (Approx)	
A.	500x250x250 mm	32 ltrs.	89600.00



**HTI-119 REFRIGERATED-LIQUID BATH**

Temp. -5-C to 90-C. Fitted with digital temp. Indicator-cum-Controller instead of contact thermometer.

	Chamber Size	Capacity (Approx)	
A.	450 x 300 x 300 mm	42 ltrs.	102200.00

**HTI-120 WATER BATH INCUBATOR SHAKER(Metabolic Shaking Incubator)**

Temp Range from ambient to 90-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 50 Hz A.C. supply.

	Shaking Tray Size (Stainless Steel)	Capacity (Approx)	
A.	275 x 275 x 150 mm	12 ltrs	38500.00
B.	405 x 300 x 150 mm	18 ltrs	46200.00

Optional :

1.Digital temp .indicator	4750.00
2.Digital Temp. indicator-cum-controller	9200.00
3.Microprocessor PID digital temp. Indicator-cum-controller with timer	16800.00
4.Shaking Tray of 25 ml,50 ml, 100ml, 250 ml,500 ml and 25 mm dia.	
Test tubes or conical flask	3300.00



HTI-120

**DISTILLATIONS STILLS**

**HTI-121 WATER STILL (Manasty Type)**

	Wall hanging casted aluminum body Output Capacity (Approx)	
A.	Output Approx 2 ltrs per hour.	9800.00
B.	Output Approx 3 to 4 ltrs per hour.	12300.00
C.	Output Approx 5 to 6 ltrs per hour.	14000.00



HTI-122

**HTI-122 WATER STILL (Manasty Type)**

	Wall hanging casted stainless steel Output Capacity (Approx)	
A.	Output Approx 2 to 3 ltrs per hour.	5450.00
B.	Output Approx 3 to 4 ltrs per hour.	5900.00
C.	Output Approx 5 to 6 ltrs per hour.	7700.00



HTI-123

**HTI-123 WATER STILL (Barnstead Type) Table Model)**

	S.S Double wall Body. Output Capacity (Approx)	
A.	Output Approx 8 to 9 ltrs per hour.	46200.00
B.	Output Approx 15 to 16 ltrs per hour.	80000.00
C.	Output Approx 25 to 26 ltrs per hour.	138600.00

**FURNACE**

**HTI-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" x 4" x 4")	15700.00
B.	250 x 125 x 125	(10" x 5" x 5")	17000.00
C.	300 x 125 x 125	(12" x 5" x 5")	21000.00
D.	300 x 150 x 150	(12" x 6" x 6")	21550.00
E.	300 x 200 x 200	(12" x 8" x 8")	33900.00
F.	350 x 175 x 125	(14" x 7" x 5")	35400.00
G.	475 x 175 x 125	(19" x 7" x 5")	40000.00
H.	450 x 225 x 225	(18" x 9" x 9")	49300.00



HTI-125

- Optional :** 1. Digital Temp. indicator-cum-controller instead of energy regulator and Pyrometer 9200.00  
 2. Microprocessor PID digital temp. Indicator-cum-controller. 16800.00

## HTI-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" x 4" x 4") 37000.00
B.	250 x 125 x 125	(10" x 5" x 5") 40000.00
C.	300 x 150 x 150	(12" x 6" x 6") 49300.00
D.	300 x 200 x 200	(12" x 8" x 8") 58500.00
E.	450 x 225 x 225	(18" x 9" x 9") 80000.00



HTI-127

- Optional :** 1. Microprocessor PID digital temp. Indicator-cum-controller instead of energy Regulator and Pyrometer 16800.00

## STIRRERS

### HTI-127 MAGNETIC STIRRER (With heating system)

Capacity		
A.	1 litres	3600.00
B.	2 ltrs	3800.00
C.	5 ltrs	6200.00



HTI-128

### HTI-128 LABORATORY STIRRER

7400.00

- Optional :** 1. Automatic 0-60 minutes Timer 1680.00

### HTI-129 TISSUE HOMOGENIZER

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

A.	Homogenizing Vessel 25 ml	8100.00
B.	Homogenizing Vessel 50 ml	8700.00
C.	Homogenizing Vessel 100 ml	10500.00



HTI-129

## HEATING MANTELS

### HTI-130 HEATING MANTLES

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

	Capacity	Wattage		Spare Mantles	Complete
A.	50 ml	60		240.00	1550.00
B.	100 ml	60		250.00	1650.00
C.	250 ml	150		280.00	1750.00
D.	500 ml	200		360.00	1900.00
E.	1 ltrs	300		450.00	2300.00
F.	2ltrs	450		630.00	2650.00
G.	3 ltrs	450	730.00		3100.00
H.	5 ltrs	600		980.00	4600.00
I.	10ltrs	2 x 500		1680.00	7400.00
J.	20ltrs	4 x 500		2450.00	9850.00



HTI-130

## HOT PLATES

### HTI-131 HOT PLATES

A.	ROUND, SINGLE, 20 cm (8") dia. moulded top	2800.00
B.	ROUND, DOUBLE, Two plates of 20 cm (8") dia	4800.00
C.	COIL TYPE, 20 cm (8") dia	3000.00

With Sunvic energy regulator.



HTI 131

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

Following Standard Sizes are Available			
A.	30 x 25 cm	(12" x 10")	3350.00
B.	40 x 25 cm	(16" x 10")	4600.00
C.	45 x 30 cm	(18" x 12")	5900.00
D.	60 x 45 cm	(24" x 18")	12300.00



HTI-131 D

### HTI-132 SLIDE WARMING TABLE

Thermostatically Controlled uniform temp. from room to 80-C top made of anodized aluminum /stainless steel

Top plate sizes (Length x Width)	Al. Top	S.S.Top	
A. 30 x 25 cm	(12" x 10")	2500.00	2800.00
B. 40 x 25 cm	(16" x 10")	3800.00	4350.00
C. 45 x 30 cm	(18" x 12")	4900.00	5450.00
D. 60 x 15 cm	(24" x 6")	4900.00	5450.00



HTI-132 D

## SHAKING MACHINES

### HTI-133 ROTARY SHAKER (VDLR 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.	9800.00
---	---------

### HTI-133 A ROTARY SHAKER (VDRL Rotator)

Same but without timer

8400.00



HTI-133 D

### HTI-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	17000.00
B.	8 flasks	19200.00
C.	12 flasks	21550.00
Optional : Automatic 0-60 minutes timer		1950.00



HTI-134

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

Touch of Finger

4900.00

6200.00

### HTI-136 RECIPROCATING SHAKING MACHINE (Kahn Rack Type)

	Size of Carrier	Stroke/min	Motor	Body Type	
A.	20" x 13" x 4"	275	0.25 HP	Fixed Speed	23100.00
B.	20" x 13" x 4"	150 to 250	0.25 HP	Covered	25200.00
C.	31" x 17" x 4"	150 to 250	0.25 HP	Covered	25900.00
D.	36" x 18" x 4"	150 to 250	0.50 HP	Covered	29100.00

Optional: 1. Automatic 0-60 minutes timer

1950.00

Note : Shaking Machine of other specifications can be offered on demand.



HTI135



**HTI-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 electronics speed controller

Platform size	Holding cap	Motor HP	
A. 45 x 45 cm	25 flasks of 100 ml	0.25	21550.00
B. 45 x 45 cm	15 flasks of 250 ml	0.25	20000.00
C. 55 x 55 cm	25 flasks of 250 ml	0.25	27700.00
D. 65 x 65 cm	36 flasks of 250 ml	0.25	40000.00
E. 90 x 90 cm	49 flasks of 250 ml	1.00	55450.00
F. 100 x 100 cm	81 flasks of 250 ml	1.00	72400.00
G. 100 x 100 cm	81 flasks of 500 ml	1.00	77000.00

Optional : 1. Automatic 0-60 minutes timer 1950.00

Note : Specific sizes & capacity can Be Offered On Demand



HTI 137

**HTI-137 A ROTARY VACUUM BUCHI EVAPORATOR**

Buchi type advance model provided with thermostatic control, with bath, capacity 1liter.

63700.00

**HTI-137 B ROTARY VACUUM BUCHI EVAPORATOR**

with digital controller cum display

70850.00

**HTI-137 C SIEVE SHAKER GRATORY**

29250.00

Optional 1. 0-60 minutes timer

1950.00



HTI 137 C

**GENERAL EQUIPMENTS**

**HTI-138 A MELTING POINT APPARATUS**

3200.00

**HTI-138 B MELTING POINT APPARATUS**

With Cooling Plug

6200.00

**HTI-138 C MELTING POINT APPARATUS MICROPROCESSOR CONTROLLED, MINIATURE FURNACE TYPE, TEMPERATURE RANGE : UP TO 350-C, SUITABLE FOR MELTING POINT.**

54500.00

The instrument basically consists of an miniature furnace with auto controlled heating range arrangement, an air circulating arrangement and a digital temp. Indicating circuitry with necessary controls, Temperature at the melting point is latched on digital display and the furnace is automatically cut off. The instruments gives audio and visual indications on reaching the temperature at which the sample melts. The temperature indicating point of the sample remain displayed on the panel till the switch is "Reset" is pressed.

Not suitable for dark Colored Samples. Opto-coupled light transmission based sample required to be transparent at the time of melting.

Suitable for melting point, Recommended for Melting Range 350-C, Readability -C, Resolution 1-C, Programmable, Automatic ramp Rate Proceeding, Auto Gradient Rate of heating control, Sample Capacity 1 sample with Cooling arrangement of Furnace,

**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.



HTI 138 A



HTI 138 C

**HTI-138 EMELTING POINT APPARATUS MICROPROCESSOR CONTROLLED**

37800.00

**Visualization Techniques:** Suitable for Dark colored/ any colored samples. Silicon Oil Bath Heating Type, Temp. Range: up to 300-C, suitable for Melting/Boiling point, Readability in-C, Resolution 1-C, Programmable, Visual Provision by optical magnifier, Automatic ramp rate proceeding, Auto gradient rate of heating control, sample capacity 3 samples. The unit consists of a built in 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 a special type of oil immersion heater, having three small holes for holding the capillaries, one big hole for thermometer and another big hole for boiling point tube / Temp. Sensor for calibration purposes. A variable speed stirrer is fitted in it. The apparatus can be used for determination of boiling points, Temp. effect on viscosity/flow point and molecular weights by Rast's method with suitable accessories.

**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.



HTI 138

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

6200.00



HTI 140

**HTI-140 MEDICO/CLINICAL CENTRIFUGE**

Capacity		
A.	4 x 15 ml tubes	3400.00
B.	6 x 15 ml tubes	3800.00
C.	8 x 15 ml tubes	4400.00

**HTI- 140 A CENTRIFUGE RECTANGULAR (Research)**

Capacity		
A.	4 x 15 ml tubes	12300.00
B.	6 x 15 ml tubes	13850.00
C.	8 x 15 ml tubes	15400.00
D.	12 x 15 ml tubes	16250.00

<b>Optional:</b> 1. Automatic Timer(Manual)	2000.00
2. Automatic timer(Digital)	7400.00
3. Speed Meter(Manual)	3500.00
4. Speed Meter(Digital)	7400.00



HTI 140 A

**HTI-141 VACUUM PUMP**

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.	32lt/mm	0.25 hp	18200.00	23800.00
B.	50lt/mm	0.25 hp	24400.00	30800.00
C.	75lt/mm	0.25 hp	26600.00	32200.00
D.	100lt/mm	0.50 hp	33600.00	47600.00

<b>Optional:</b> 1. Vacuum Gauge with regulator.	2500.00
2. Belt guard	1400.00
3. Moisture Trap	9200.00
4. Non-Returnable Valve	4350.00
5. Air Blast	4600.00



HTI 141

**HTI-141 A VACUUM PUMP (Oil Free)**

Capacity	Motor	Rate	
A.	15 ltrs	1/16 hp	12600.00
B.	25 ltrs	1/8 hp	16800.00
C.	45 ltrs	1/4 hp	23800.00



HTI 141 A

### HTI-142 SOXHLET EXTRACTION UNITS(Mantel type)

A.	The unit of 3 mantle rating 600 watts	5600.00
B.	The unit of 6 mantle rating 1200 watts	7400.00

### HTI-142 A SOXHLET EXTRACTION UNITS (Heater type)

A.	unit of 3 heaters	5600.00
B.	unit of 6 heaters	7400.00

### HTI-142 B SOXHLET EXTRACTION UNITS (Hot Plate type)

A.	unit of 3 hot plates	6200.00
B.	unit of 6 hot plates	10200.00

### HTI-142 C SOXHLET EXTRACTION UNITS (Bath Type)

<b>1. Single Wall Chamber made of stainless steel</b>		
A.	unit of 3 baths	4350.00
B.	unit of 6 baths	7150.00
<b>2. Double Wall, Inner Chamber made of stainless steel</b>		
A.	unit of 3 baths	6700.00
B.	unit of 6 baths	9200.00

**Optional:** 1.Sunvicenergy regulator can be provided with all the above units  
P.O.R.

Note : Above all units are without glass parts

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

#### (I) KJELDHAL DIGESTION UNITS

A.	Units of 3 Tests (Heater type)	6200.00
B.	Units of 6 Tests (Heater type)	7700.00
C.	Units of 3 Tests (Mantle type)	6200.00
D.	Units of 6 Tests (Mantle type)	8000.00

**Optional** 1. Fume duct made of lead or Borosilicate P.O.R  
2. Sunvic energy regulator P.O.R

#### (II) KJELDHAL DISTILLATION UNITS

A.	Units of 3 Tests (Heater type)	8400.00
B.	Units of 6 Tests (Heater type)	12900.00
C.	Units of 3 Tests (Mantle type)	8550.00
D.	Units of 6 Tests (Mantle type)	13850.00

**Optional:** 1. Sunvic energy regulator P.O.R

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

A.	Units of 3 Tests (Heater type)	13700.00
B.	Units of 6 Tests (Heater type)	20600.00
C.	Units of 3 Tests (Mantle type)	14300.00
D.	Units of 6 Tests (Mantle type)	26200.00

**Optional:** 1.Fume duct made of lead or Borosilicate Glass. P.O.R  
2.Sunvic energy regulator P.O.R

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

(IV) **COD DIGESTION WITH DIGITAL TEMP CONTROLLER +DIGITAL TIMER** 57000.00

(V) **COD DIGESTION (DIGITAL) WITH GLASS PARTS.** 67750.00

### HTI-143 A Tube Heating Block (KJELDHAL DRY BATH)

**Optional:** 1. Digital Temp Indicator-cum-controller 9200.00

Note : The above chamber with 40 holes to accept 13 and 19 mm tubes can also be made, available on demand.



HTI 142



HTI 143 (I)



HTI 143 (II)



HTI 143 (III)



HTI 143 (IV)



## AUTOCLAVES

### HTI-144 AUTOCLAVES LABORATORY (PORTABLE)

	Size dia x height in mm	Aluminium S.S.	
A.	300 x 300 mm (Seamless)	8400.00	12000.00
B.	300 x 375 mm (Jointed)	9800.00	13300.00
C.	300 x 500 mm (Jointed)	21000.00	



HTI 144

### HTI-145 AUTOCLAVES (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 guaze , steam release cock and safety valve 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
	250 x 450 mm	2 Kw	22 Ltrs	43100.00	49300.00
	300 x 500 mm	3 KW	40 Ltrs	49300.00	58500.00
	350 x 550 mm	4 KW	50 Ltrs	61600.00	70850.00
	400 x 600 mm	5 Kw	78 Ltrs	75500.00	89300.00
	450 x 600 mm	5 KW	98 Ltrs	89300.00	107800.00
	550 x 750 mm	6 KW	152 Ltrs	123200.00	138600.00



HTI 145

**Optional:**

1. Automatic low-water level cut off -device	10000.00
2. Pressure Control Switch	10800.00
3. Water level arrangement	3100.00
4. Dressing Bins for various sizes	P.O.R.
5. Radial lock	9950.00
6. Digital temp. Indicator	5600.00

### HTI\_145 A AUTOCLAVE VERTICAL HIGH PRESSURE (Triple Walled)

	Chamber Size (Dia x Depth)	load	Capacity (Approx.)	Radial Lock Inner Outer S.S.
A.	250 x 450 mm	2KW	22 ltrs.	110900.00
B.	300 x 500 mm	3KW	40 ltrs.	129300.00
C.	350 x 550 mm	4KW	50 ltrs.	138600.00
D.	400 x 600 mm	5KW	78 ltrs.	148400.00
E.	450 x 600 mm	5KW	98 ltrs.	169400.00
F.	550 x 750mm	6KW	152 ltrs.	210000.00



HTI 145

**Optional:**

1. Automatic Low-water level cut-off device	10000.00
2. Pressure Control Switch	10800.00
3. Dressing Bins for various size	P.O.R

### HTI-146 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	Cap. (Approx)	Inner S.S. Outer M.S.	Inner . Outer S.S
A.	400 x 600 mm	6KW	78 ltrs.	372700.00	400400.00
B.	400 x 1100 mm	9KW	162 ltrs.	422100.00	459000.00
C.	500 x 900 mm	9KW	165 ltrs.	410000.00	462000.00
D.	500 x 1200 mm	9KW	221 ltrs.	458900.00	508200.00



HTI 146

## SEED GERMINATOR/ ENVIRONMENTAL EQUIPMENTS

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

	Chamber of Highly polished S.S.	Capacity	
	555 (W) x 910 (H) x 605 (D) mm	308 Ltrs.	138600.00

**Optional:**

1. Automatic 0-24 hour's timer to regulate cyclic illumination conditions	4600.00
2. Automatic Voltage Stabilizer 3KVA (recommended).	P.O.R



HTI 147

## HTI-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. 275000.00

Optional: 1. Automatic 0-24 hours timer to regulate cyclic illumination conditions 9200.00  
2. Automatic Voltage Stabilizer 5KVA (recommended). P.O.R.

## HTI-149 HUMIDITY CABINET

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

Size inside chamber(WXDxH)	Capacity(Approx)	Inner S.S.
A. 455 x 455 x 455 mm	95 ltrs	53900.00
B. 455 x 455 x 710 mm	147 ltrs	67900.00
C. 605 x 605 x 605 mm	225 ltrs	69300.00
D. 605 x 605 x 910 mm	335 ltrs	79800.00

Optional: 1. Hygrometer (Humidity Indicator) 2400.00  
2. Digital Temp. Controlled-cum-Indicator 9200.00  
3. Microprocessor PID digital temp. Indicator-cum-controller 16800.00  
4. Automatic Electronic Controller with a digital display for temp & humidity combined 43400.00  
5. Automatic voltage Stabilizers 3KVA (Recommended) 14000.00



HTI 149

## HTI-150 ENVIRONMENTAL CHAMBER HUMIDITY CABINET

Temp. 5-C to 50-C, humidity 20% to 95 %.

Size Inside Chamber ( WxDxH)	Capacity (Approx)	Inner S.S.
A. 455 x 455 x 455 mm	95 ltrs.	107800.00
B. 455 x 455 x 710 mm	147 ltrs.	114100.00
C. 605 x 605 x 605mm	225 ltrs.	126300.00
D. 605 x 605 x 910mm	335 ltrs.	138600.00

Optional: 1. Hygrometer (Humidity Indicator) 2400.00  
2. Digital Temp. Controller-cum-Indicator 9200.00  
3. Microprocessor PID Digital temp. Indicator-cum-Controller 16800.00  
4. Automatic electronic controller with digital display for Temp. & Humidity combined 43400.00



HTI 150

## HTI-151 PLANT GROWTH CHAMBER

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

Size Inside Chamber ( WxDxH)	Capacity in cu. ft.	Capacity	
A. 570 x 875 x 550 mm	10	280 ltrs.	200000.00
B. 775 x 900 x 775 mm	20	560 ltrs.	262000.00
C. 835 x 1200 x 825 mm	30	840 ltrs.	431500.00
D. 900 x 1720 x 800 mm	45.8	1282 ltrs.	939500.00

Optional: 1. Electronics Digital Indicator cum-Humidity controller and temperature controller. 31000.00  
2. Microprocessor PID Digital temp. Indicator-cum-Controller 12000.00  
3. Digital Temp. Controller-cum-Indicator P.O.R.00



HTI 151

## HTI-152 MORTUARY CHAMBER

Fitted with S.S. inner wall and outer MS painted trays to travel on roller 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 220volts A.C. supply

Capacity	Temp	Voltage Stabilizer	Outer Inner S.S.	Inner S.S.
A. Single Body	2-C to 5-C	3 KVA	323400.00	184800.00
B. Two Bodies	2-C to 5-C	4 KVA	492800.00	400400.00
C. Three Bodies	2-C to 5-C	5 KVA	539000.00	448000.00
D. Four Bodies	2-C to 5-C	8 KVA	616000.00	462000.00
E. Six Bodies	2-C to 5-C	8 KVA	646800.00	585200.00



HTI 152

**HTI-153 BLOOD BANK REFRIGERATOR**

Available in following capacities		Inner S.S
A.	85 liters (50 Blood Bags)	129400.00
B.	165 liters (110 Blood Bags)	151000.00
C.	200 liters (200 Blood Bags)	169400.00
D.	280 liters (250 Blood Bags)	184800.00
E.	400 liters (360 Blood Bags)	261800.00

**Optional:** 1. Chart type temperature recorder 57400.00  
2. Voltage Stabilizer (Recommended) P.O.R.



**HTI-154 DEEP FREEZER** Temp. upto -20°C

Capacity	Vertical	Horizontal
A. 4 cu.ft 375 x 500 x 605 mm	107800.00	98600.00
B. 6 cu.ft 505 x 410 x 830 mm	138600.00	123200.00
C. 10 cu.ft 570 x 550 x 875 mm	200200.00	184800.00
D. 12 cu.ft 650 x 580 x 900 mm	215600.00	200200.00

**Optional :** Automatic voltage stabilizer. P.O.R

**Note :** Please ask for other capacity and size of your requirement.



**HTI-154 A DEEP FREEZER** Temp. upto -40°C

Capacity	Vertical	Horizontal
A. 4 cu.ft 375 x 500 x 605 mm	135100.00	123200.00
B. 6 cu.ft 505 x 410 x 830 mm	173300.00	154000.00
C. 10 cu.ft 570 x 550 x 875 mm	250300.00	231000.00
D. 12 cu.ft 650 x 580 x 900 mm	269500.00	250400.00



**HTI-155 LYPHOLIZER (FREEZE DRYER)**

The unit has hermetically sealed compressor to maintain temp upto -40-C.Temp.  
Controlled 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	400400.00
B. 5.25 ltrs, 12 Test	554400.00



**HTI-156 GLASS BEAD STERILIZER**

A. Crucible Size : 2" Dia x 2" Depth	10500.00
B. Crucible Size : 2" Dia x 4" Depth	12300.00



**LAMINAR, FUME HOOD AND BIO SAFETY CABINETS**

**HTI-157 HORIZONTAL LAMINAR AIR FLOW CABINET**

Working Chamber Size	S.S.	M.S.	Wooden
A. 2' x 2' x 2'	128800.00	79800.00	67200.00
B. 3' x 2' x 2'	156800.00	111300.00	75600.00
C. 4' x 2' x 2'	186200.00	141700.00	84000.00
D. 6' x 2' x 2'	296800.00	215600.00	128800.00



**HTI-157 A VERTICAL LAMINAR AIR FLOW CABINET**

Working Chamber Size	S.S.	M.S.	Wooden
A. 2' x 2' x 2'	131600.00	84700.00	74200.00
B. 3' x 2' x 2'	162400.00	117000.00	81200.00
C. 4' x 2' x 2'	198800.00	145600.00	86800.00
D. 6' x 2' x 2'	308000.00	224700.00	128800.00



**HTI-157 B DISPENSING & SAMPLING BOOTH**

**Working Size**

A.	6' x 4' x 3'	270000.00
B.	6' x 4' x 4'	350000.00

**HTI-158 BIOLOGICAL SAFETY CABINET (as per class II)**

	Working Size	Size of HEPA Filter	No. of HEPA filter	Illumination	Wooden	M.S.	S.S.
A.	2' x 2' x 2'	2' x 2' x 6"	1	1x20 W	95200.00	148400.00	176400.00
B.	3' x 2' x 2'	3' x 2' x 6"	1	1x20 W	114100.00	173600.00	210000.00
C.	4' x 2' x 2'	4' x 2' x 6'	2	1x30 W	144900.00	210000.00	252000.00
D.	6' x 2' x 2'	3' x 2' x 6'	2	1x30 W	203000.00	294000.00	406000.00

**Optional: 1.Virus burn out Unit**

	2' x 2' x 2'	23100.00
	3' x 2' x 2'	24500.00
	4' x 2' x 2'	26200.00
	6' x 2' x 2'	29300.00
	2.Exhaust Ducting (per running feet)	850.00
	3.Gas Burner	700.00

Also Available in M.S. Powder coated / stainless steel.

**HTI-159 FUME HOOD**

	Working Chamber Size	S.S.	M.S.	Wooden
A.	3' x 2' x 2'	240000.00	147000.00	114100.00
B.	4' x 2' x 2'	259000.00	197400.00	144900.00
C.	5' x 2½' x 2½'	386400.00	246400.00	210000.00

**Optional :**

(i) High CFM exhaust system (for duct exceeding 10feet in length)

	3' x 2' x 2'	15400.00
	4' x 2' x 2'	16800.00
	5' x 2½' x 2½'	18200.00

(ii) SS Lining on work bench

	3' x 2' x 2'	4750.00
	4' x 2' x 2'	5300.00
	5' x 2½' x 2½'	6150.00

(iii) PVC fume duct (Perft.)

	3' x 2' x 2'	2100.00
	4' x 2' x 2'	2650.00
	5' x 2½' x 2½'	3500.00

**HTI-160 TISSUE CULTURE RACK**

	No. of Racks	Made of Mild Steel	Made of Stainless Steel
A.	Unit of Four racks	75600.00	114800.00
B.	Unit of Five racks	92400.00	134400.00
C.	Unit of Six racks	112000.00	154000.00

**HTI-161 TISSUE CULTURE HOOD**

**Outside Size**

	1200 x 600 x 600 mm (ht. at back)	46200.00
--	-----------------------------------	----------

**Optional: 1.Exhaust system**

7700.00

2. S.S. Top (Instead of Sunmica Top)

3950.00

**HTI-162 AIR CURTAINS**

**Door Width**

A.	900 mm	21000.00
----	--------	----------



HTI 157 B



HTI 158



HTI 159



HTI 160



HTI 160



B.	1200 mm	22400.00
C.	1500 mm	38000.00
D.	1800 mm	38800.00

**HTI-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 ultraviolet tube.

**Chamber Size**

A.	100 x 50 x 50 mm	14000.00
B.	75 x 45 x 45 mm	11200.00

**HTI-163 A 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'x2'x5'	3'x1½'x6'	1	3	146300.00	184800.00
B.	4'x2'x5'	4'x1½'x6'	2	2	207900.00	224000.00

**Optional:** 1. Exhaust Sleeves 8400.00  
2. Exhaust ducting per running ft. 4200.00

**HTI-163 B SLIDE CABINET**

A.	1000 Slides	5900.00
B.	2000 Slides	11200.00
C.	5000 Slides	23800.00
D.	10000 Slides	44800.00

**HTI-164 DESTRUCTOR INCINERTOR(Electrical)**

**Capacity**

A.	3-5 Kg	200	200.00
B.	8-10 Kg	24	6400.00
C.	12-15 Kg	30	8000.00
D.	18-20 Kg	400	400.00

**Optional:** 1. Capacities 25-35 Kg-70Kg. And 125-175 Oil fired. Erection & Commissioning Charge are extra.  
2. M.S. Chimney extra.

**HTI-165 HUMIDIFIER**

**Capacity**

A.	3 liters	23100.00
----	----------	----------

**Optional:** 1. Control box with Humidistat for controlling humidity. 7700.00

**HTI-166 DE-HUMIDIFIER**

**Capacity**

A.	1½ Tons	101600.00
B.	2 Tons	107800.00

**HTI-166 A DE-HUMIDIFIER (with Digital Humidity Indicator-cum-controller)**

**Capacity**

1½ Tons	138600.00
---------	-----------

**Optional:** 1. Automatic Voltage Stabilizer 4.0 KVA. (Recommended.) P.O.R

**HTI-171 U.V.CHROMATOGRAPHY INSPECTION CABINET**

Single Tube	8000.00
-------------	---------

**HTI-171A U.V. CHROMATOGRAPHY INSPECTION CABINET**

Double Tube	9200.00
-------------	---------



HTI-163



HTI-163 B



HTI-164



HTI-166



HTI-171 A

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

A.	Brass Applicator	10100.00
B.	Aluminium Applicator	9200.00

### HTI-172 OVER HEAD PROJECTOR

A.	Single bulb low voltage 24V-250W halogen	12000.00
B.	Double bulb low voltage system with 3 halogen bulbs 24V-250W	15400.00
C.	Double bulb low voltage system with 3 halogen bulbs 24V-250W through step-down transformer, writing surface 285 x 285 mm for A4 sheet	17000.00
Optional :1.Laser pointer (imported)		3600.00

### HTI-173 OHP PORTABLE

Folding type	65800.00
--------------	----------

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

#### Screen Size

A.	Projection Screen (Tripod Model) Deluxe 180 x 230 cm	10600.00
B.	Projection Screen (Tripod Model) Deluxe 132 x 178 cm	5600.00
C.	Projection Screen (Tripod Model) Deluxe 150 x 150 cm	5900.00
D.	Projection Screen (Tripod Model) Deluxe 125 x 125 cm	5200.00

#### Multimedia Projection Screen (With Metallic Stand)

A.	Projection Screen ( High Gain ) Tripod Model 180 x 230 cm	16800.00
B.	Projection Screen ( High Gain ) Tripod Model 132 x 178 cm	7700.00
C.	Projection Screen ( High Gain ) Tripod Model 150 x 150 cm	7000.00
D.	Projection Screen ( High Gain ) Tripod Model 125 x 125 cm	6700.00

### HTI-171A PROJECTION SCREEN(WALL HANGING)

#### Screen Size

A.	Projection Screen (Wall and Ceiling Model) Deluxe 180 x 230 cm	9500.00
B.	Projection Screen (Wall and Ceiling Model) Deluxe 132 x 178 cm	5200.00
C.	Projection Screen (Wall and Ceiling Model) Deluxe 150 x 150 cm	5200.00
D.	Projection Screen (Wall and Ceiling Model) Deluxe 125 x 125 cm	4500.00

#### Multimedia Projection Screen (WALL HANGING)

A.	Projection Screen (High Gain) 180 x 230 cm	16500.00
B.	Projection Screen (High Gain) 132 x 178 cm	7700.00
C.	Projection Screen (High Gain) 150 x 150 cm	7000.00
D.	Projection Screen (High Gain) 125 x 125 cm	6200.00

### HTI-179 MOISTURE ANALYSER (Digital) Range 8% to 40%

46200.00

### HTI-179A MOISTURE ANALYSER Digital Direct Reading

49300.00

### HTI-179 B INFRARED MOISTURE BALANCE

#### Range

A.	5 gms	19600.00
B.	10 gms	22400.00
C.	25 gms	24500.00

### HTI-180 LAB WILLEY GRINDER (Arthur H. Thomas Type) DISINTEGRATOR

With polished hopper 2" dia., with cover. Three delivery sieves 20,40 and 60mesh respectively, each with plastic receiver. Works on 220 V A.C. 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 stainless steel
A.	40 x 25 mm	0.25 H.P.	22700.00	25900.00
B.	65 x 25 mm	0.25 H.P.	26500.00	31200.00
C.	100 x 50 mm	0.50 H.P.	35000.00	56500.00
D.	200 x 75 mm	1.00 H.P. (Heavy Duty)	62500.00	108700.00



HTI-172



HTI-174



HTI-174 A



HTI-179



HTI-179 A



HTI-179 B



HTI-180

## HTI-180 A BALL MILL (LABORATORY TYPE)

	Capacity	Motor Cap.	Aluminium Jar	S.S.Jar
A.	1 kg jar	¼ H.P.	16700.00	17800.00
B.	2 kg jar	¼ H.P.	17800.00	22800.00
C.	5 kg jar	¼ H.P.	37000.00	47000.00



## PHARMACEUTICAL / PHARMACOLOGY

### HTI-181 AUTOPSY TABLE

302400.00

### HTI-182 AMPOULE CLARITY

5000.00

### HTI-183 ASEPTIC CABINET

12750.00

### HTI-201 AMPOULE FILLING & SEALING DEVICE

Simple syringe type hand driven gives ten ampules per minute capacity of filling, adjustable from 1ml to 10 ml by a cam lever arrangement, automatic in take out flow of fluid all contact parts are borosil glass the sealing apparatus consists of glass fusing burner for LPG or petroleum gas with foot below and rubber tubing

11900.00



### HTI-202 AMPOULE WASHING

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

4750.00



### HTI-203 ANTIBIOTIC ZONE READER (MANUAL)

S.S body, motorized deluxe quality

21800.00

### HTI-204 ALGOMETER

6200.00

### HTI-205 ACTO PHOTO METER

13450.00

### HTI-206 ANALGESIOMETER

Tail Flick Radiant heat type or tail flick type for determining analgesic effect of Drug

9450.00

### HTI-207 ANALGESIOMETER (EDDY'S HOT PLATE)

Eddy's Hot Plate for determining analgesic effect of drugs

15100.00

### HTI-207A ANALGESIOMETER WITH PID CONTROLLER

16100.00

### HTI-208 BICYCLE ALGOMETER

50400.00

### HTI-209 BOTTLE FILLING MACHINE

A.	Hand Operated	21800.00
B.	Automatic single syringe S.S. Cover	75600.00

### HTI-210 BULK DENSITY APPARATUS

9450.00

A.	With Digital Timer	13450.00
B.	With Digital Timer & Counter	20300.00

### HTI-211 BOTTLE CAP SEALING MACHINE

A.	Cap. 5 kg 1 Phase	30800.00
B.	Cap. 10 kg 1 Phase	129500.00
C.	Cap. 25 kg 3 Phase	252700.00



**HTI-212 BOTTLE WASHING MACHINE**

A. Single Brush	20150.00
B. Double Brush	28500.00

**HTI-213 BONE CUTTING MACHINE**

235200.00

**HTI-214 COOK'S POLE CLIMBING**

Response apparatus for the study of pale jump.(avoidance) response 20000.00

**HTI-215 A CAPSULE FILLING MACHINE**

A versatile lever operated semi-automatic machine for various operations with level in order of  
1. Plates for putting of capsules 2. Removal of caps 3. Filling of powder by dispensing brush  
pressing 4. Ejection of 100capsules of size 0.2 or 0.5 (any one size) contact parts of stainless  
steel. 38500.00

**HTI-215 B CAPSULE FILLING MACHINE** Full Chrome plated & heavy body 46200.00

**HTI-216 CAPSULE COUNTER** Full Chrome plated & heavy body 3350.00

**HTI-217 A COLLAPSIBLE TUBE FILLING MACHINE**

Stroke type barrel and piston arrangement with stroke setting of various capacities of filing  
tubes, detachable nozzles provided for each separate capacity, all contacts parts are of  
stainless steel including hopper built on cast iron body, hand lever operated. 12950.00

**HTI-217 B COLLAPSIBLE TUBE FILLING MACHINE MOTORIZED**  
(5 ML-50 ml) 128100.00

**HTI-218 COLLAPSIBLE TUBE SEALING MACHINE**

Hand lever sliding movement with toothed jaws, spring action release of jaws,  
robust construction 4600.00

**HTI-219 DALE BATH APPARATUS**

7400.00

**HTI-219 A DOUGLAS BAG**

6700.00

**HTI-220 ELECTRO CONVULSIOMETER**

A. Simple	12100.00
B. Digital	13450.00

**HTI-221 GADUUMS OUTFLOW RECORDER TO WORK ON 4V D.C.** 4350.00

**HTI-222 HISTAMINE CHAMBER COMPLETE WITH SPHYGOMA** 8600.00

**HTI-223 HAND GRIP DYNAMETERS** 5900.00

**HTI-224 HOOK GRIP** 650.00

**HTI-225 JAR TEST APPARATUS**

A. Two Jar Test Apparatus	16800.00
B. Three Jar Test Apparatus	20300.00
C. Four Jar Test Apparatus	23100.00
D. Five Jar Test Apparatus	26600.00
E. Six Jar Test Apparatus	32200.00

**HTI-226 KYMOGRAPH**

A. KYMOGRAPH (Recording Drum)	16800.00
B. Du-Bios Key	1400.00
C. Smoking Stand	4350.00
D. Smoking Burner	1700.00



HTI-215 B



HTI-219



HTI-220



HTI-225



HTI-226



E.	Paper Clip	500.00
F.	Simple Lever	300.00
G.	Starling Heart Lever	350.00
H.	Starling Writing Lever	150.00
I.	Muscle Chamber	1700.00
J.	Mayo Graph Lever	750.00
K.	Mayo Graph Board	700.00
L.	Mayo Graph Stand	700.00
M.	Simple Electrode	250.00
N.	Student Simulator	4600.00
O.	Student Simulator Digital	6200.00
P.	Tunic Fork KN-100	700.00
Q.	Muscle Electrode	650.00
R.	Muscle Lever	550.00
S.	Muscle Grip	850.00
T.	Hook Weight Set	450.00
U.	Induction Coil	4600.00
V.	Kymograph Paper	650.00
W.	Simele Key	200.00
X.	Induction Coil	630.00



**HTI-227**

### HTI-227 KYMOGRAPH SUPER SPEED

Improved life time pinion lift. Range of fine vertical adjustment 15 cm. close mesh 10 speed gear box, Gear ratio 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 meter, adjustable along machine 120 cm Bed; Automatic paper tensioning devices, flat writing surface attachment, 3 jointed arm uprights with fine tangential adjustment, Auxiliary cylinder with fine tilt adjustment to permit equalization of tension at the top & bottom of the paper, Neutralizations clutch for immediate start & stop, centralized electric points for respiration pump, time clock and operation table, mounted on heavy metal platform with castora, with manometer & two way time marker

107800.00

### HTI-227A LUCUS MOIST CHAMBER

1400.00

### HTI-227B LEAK TEST APPARATUS

A.	6"	35000.00
B.	8"	40600.00

### HTI-228 MORSE MIXER

61600.00

### HTI-229 MARRY TAMBOUR

A.	18 MM	850.00
----	-------	--------

### HTI-230 MOSSES ARGOGRAPH

12300.00

### HTI-231 MAMMALIAN HEART PERFUSION ASSEMBLY

24500.00

### HTI-232 DOUBLE CONE BLENDER

33600.00

### HTI-232 A OLFACTOMER

8400.00

### HTI-233 OPERATION TABLE FOR ANIMALS

Now with all steel frame designed for greater stability. Stainless steel top 127x45 cm. In two halves sloping towards their central drain, warming chamber, casters, moving handles with animal holder & stainless steel tray and two movable uprights

38500.00



**HTI-227B**



**HTI-233**

### HTI-234 OPERATION TABLE SMALL

For Rabbit, Rats, Guinea pig etc, Stainless steel top adjustable head holder, trying cleats, cut back at the head and with warming chambers. 16800.00

### HTI-235 PERMEABILITY CUP

8000.00

### HTI-236 PLENTY MIXER

66500.00

### HTI-237 PISTON RECORDER

2100.00

### HTI-238 PERIMETER

A.	Prestley Smith Type	23100.00
B.	Lister Type	50400.00

### HTI-239 PLETHYSMOGRAPH

2100.00

### HTI-239 A PULVELIZER

107500.00

### HTI-239 B PHYSIOGRAPH

A.	Single Channel	203300.00
B.	Double Channel	257000.00
C.	Triple Channel	325900.00

### HTI-239 C POLYGRAPH

A.	Single Channel	203300.00
B.	Double Channel	274000.00
C.	Triple Channel	417200.00

### HTI-239 D LIPSTICK MOULD

A.	4 Hole	1200.00
B.	6 Hole	1700.00
C.	12 Hole	3350.00

### HTI-240 CUBE MIXER

29250.00

### HTI-241 ROTA ROD

A.	One Compartment	16800.00
B.	Two Compartment	18900.00
C.	Three Compartment	20300.00
D.	Four Compartment	23100.00
E.	Five Compartment	26200.00

### HTI-242 RESPIRATION PUMP

500 cc Single cylinder pump with mechanically operated valve. All metal construction. The driving cone has 3 slots of 6"x 9"x 12" dia & balanced A¼ H.P. geared Crompton motor drives the pump. The stroke is adjustable & graduated in cc. upto 500 cc. Motor coupled. On castor wheel base 81200.00

### HTI-243 STERILITY TEST ( Sterility Manifold Assembly)

It is as per our standard design, it consists of stainless steel flask with stainless steel clamps and stainless steel support screen made out of stainless steel 316 quality, single station without stand, three test. 60900.00

### HTI-244 SWIMMING TEST APPARATUS

55500.00



### HTI-245 STUDENT ORGAN BATH

A.	Single Unit	3900.00
B.	Double Unit	9200.00
C.	Single Unit with digital temp.& stirrer	12950.00
D.	Double Unit with digital temp.& stirrer	16100.00

### HTI-246 STETHOGRAPH

1400.00

### HTI-247 SUPPOSITORY MOLDS

A.	4 Hole	650.00
B.	6 Hole	700.00
C.	12 Hole	1350.00

### HTI-248 STEP DOWN TRANSFORMER

13450.00

### HTI-249 STUDENT SPIROMETER

6 liters 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.

16800.00

### HTI-250 TABLET COUNTER

1100.00

### HTI-251 TABLET DISINTEGRATION APPARATUS

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 move up and down with standard dish inside a liter beaker filled with distilled water which is maintained at 37-C by thermostatically controlled hot plates (without beaker).

A.	Single Test Apparatus	9200.00
B.	Single Test Apparatus with digital temp.	18900.00
C.	Double Test Apparatus	13900.00
D.	Double Test Apparatus with digital temp. & R.P.M.	26900.00

### HTI-255 TABLET FRIABILITY APPARATUS

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. The period is determined by a timer tablet which is weighed before and after the test and difference in weight for particular time period indicates the rate of abrasion.

A.	Single Drum	10800.00
B.	Single Drum digital timer	17650.00
C.	Single Digital R.P.M	17650.00
D.	Single Digital Timer & R.p.m	23800.00
E.	Double Drum	13850.00
F.	Double Drum Digital Timer	20300.00
G.	Double Drum R.P.M	20300.00
H.	Double Digital timer & R.P.M	26200.00

### HTI-263 TABLET DISSOLUTION APPARATUS

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

A.	Single Drum	13850.00
B.	Single Drum Digital R.P.M	20300.00
C.	Single Drum Digital Temp.	20300.00
D.	Single Drum Digital Temp. & R.M.P	29250.00
E.	Six Drum Digital Timer,Temp. & R.M.P	138600.00



HTI-245



HTI-249



HTI-251



HTI-255

**HTI-268 TABLET MAKING MACHINE**

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

A. Single punch	38500.00
B. Motorized	60200.00



**HTI-270 TINCTURE PRESS**

Extra heavy for making tincture, decoction, infusions etc. Capacity 1 Ltr. Stainless steel inner perforated vessel

3900.00



**HTI-271 TELETHERMOMETER**

A. Six Probe	12300.00
B. Single Probe	10800.00



**HTI-273 TABLET HARDNESS TESTER**

A. Monsanto	2100.00
B. Pfizer	6700.00

**HTI-275 TETANUS SET**

2950.00

**HTI-276 TABLET COATING PAN** Gear Motor

18900.00

**HTI-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 & thermostat are fixed on a dia light heavy body with 1/2HP Motor and Gear box

73900.00



**HTI-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

4600.00



**HTI-279 TISSUE PROCESSING UNIT**

Single	20300.00
--------	----------

**HTI-279A AUTOMATIC TISSUE PROCESSOR UNIT**

Single	190400.00
--------	-----------

**HTI-280 VOLUME RECORDER**

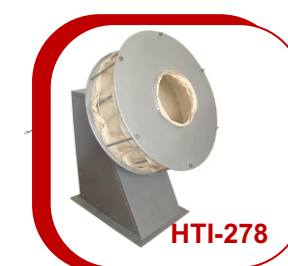
2100.00

**HTI-281 VARNISH TRAY**

5600.00

**HTI-282 VARIABLE INTERRUPTER**

3900.00



**POLARIMETER**

**HTI-283 STUDENT POLARIMETER**

Consists of laurent half shade polariser analyzer brass scale graduated from 0° to 360° or 0° to 180° with vernier reading 5" and accommodates 200mm glass tube.

6200.00

Same as above but with bi-quartz or tri-quarz

11350.00





**HTI-284 RESEARCH POLARIMETER**

Used in medical, pharmaceutical and chemical research laboratory. Consists of an imported half shade nicol polarizer analyzer 100mm diameter circular scale divided in degrees 0 to 360x1 and a sugar scale divided -30 to +130x1 is a divided micrometer drum is given to read 0.053 minutes and 0.1 is the scale 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.

35700.00

Same as above but with 400 mm tube 40450.00



HTI-284

**HTI-285 VENUS PRESSURE APPARATUS**

5750.00

**REFRACTOMETER**

**HTI-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 of Oil, Sugar, Paraffins, waxes, animals and plants fats, glycerine, sugar%scale 0-95% brix.

Measuring Range : Ref. Intex 1.30 to 1.70 14700.00



HTI-286

**HTI-287 BUTYRO REFRACTOMETER**

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

14700.00

**HTI-288 HAND REFRACTOMETER**

For Checking Sugar content of Fruit juice and soft drinks with bean milk, Lactic acid, beverages etc.

A. Range : 0-32%, 0.2% minimum scale	3900.00
B. For mid range, including fruit juices, canned goods with sugar content. 29%	4400.00
C. For high range sugar content as honey, Range: 59-92%	5000.00



HTI-288

**MICROTOME**

**HTI-289 ROTARY MICROTOME (Erma Type)**

28550.00

This microtome is required with a ball ban lange type object holder to get exact centering of specimen knife holder with lateral movement permitting use of one complete knife edge and has feeding range from 1.25 microns instead of 1 microns.

Razor 120 mm with back and handle in box 1 no., Honing stone in box 1 no., Object holder (set of three set), Oil Can and Dust Cover.



HTI-289

**HTI-290 SENIOR PRECISION ROTARY MICROTOME (Latest Spencer 800 Type)**

It is Universally approved, most modern and reliable sectioning equipment designed for very precise sectioning of tissue upto 1 microms 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 black & handle in box, oil can, handling stone in box, dust cover object holder (set of three) and illustrated operating manual.

37000.00



HTI 290

**HTI-290A MICROTOME SPENCER** Lipsa Type

44000.00

**HTI-290B SLEDGE MICROTOME**

80900.00

**HTI-291 AUTOMATIC RAZOR KNIFE SHARPEN**

A. Spencer Type	30700.00
B. Arthus Thomas Type	110000.00

**ELECTRONIC INSTRUMENTS**

**pH METERS**

**HTI-311 pH/mV/METER DIGITAL MICROPROCESSOR BASED (Soft Touch Keys)**

With 4 Digital LED Display, MTC (Manual Temp Comp.), 3 Points (4.00,7.00 & 9.20) Auto Buffer Recognition, 3 Points (4.00,7.00&9.20) pH Calibration (Auto & Manual).Along with Complete accessories (i.e pH Electrode Combined, Temp. Probe, Electrode Stand, Buffer Sol, Dust Cover & Manual).

10000.00



HTI-291

**HTI-312 pH/mV/Temp. METER WITH A.T.C.DIGITAL MICROPROCESSOR BASED (Soft Touch Keys)**

With 4 Digital LED Display/ATC (Auto Temp Comp.), 3 Points (4.00,7.00 & 9.20) Auto Buffer Recognition, 3 Points (4.00,7.00 & 9.20) pH Calibration (Auto & Manual).Along with Complete accessories (i.e pH Electrode Combined, Temp. Probe, Electrode Stand, Buffer Sol, Dust Cover & Manual).

13150.00

15550.00



HTI-311

**HTI-314 pH/mV/TEMP. METER WITH A.T.C., DUAL DISPLAY LCD & LE D MICROPROCESSOR BASED (Soft Touch Keys) 4 DIGIT LED & 16X2 LINE**

**ALPHANUMERIC LCD DISPLAY**

Indication, ATC (Auto Temp. Comp.), 3 Points (4.00,7.00 & 9.20) Auto Buffering Recognition,3 Points (4.00,7.00.9.20) pH Calibration Along with Complete accessories (i.e pH Electrode Combined, Temp. Probe, Electrode Stand, Buffer Sol, Dust Cover & Manual).

16800.00

**POTENTIOMETER**

**HTI-316 POTENTIAL METER DIGITAL**

**(For Redox-Potentiometer Measurement) 4 DIGIT LED DISPLAY**

Range 0 to - 1999 mV, Resolution 1mV, Repeatability - 1 mV, Accuracy - mV - 1 Digit, Input Impedance> 1012 Ohms, Power Supply 220 V - 10%, 50 Hz AC. Supplied with O.R.P. Electrode (Platinum Electrode) Stand, Dust Cover and Manual.

With combination pH Electrode, Battery operated

10000.00

Optional: Battery cum Mains provision in all above models (Extra)

3500.00



HTI-316

**SPARES PH/POTENTIOMETER**

A. pH Electrode (Combined)	2450.00
B. pH (Comb. Toughened)	2800.00
C. Epoxy Comb. Electrode	2800.00
D. Platinum Electrode (O.R.P.)	3200.00
E. Temperature Probe	1400.00

**CONDUCTIVITY/TDS/SALINITY METERS**

**HTI-317 CONDUCTIVITY METER DIGITAL : DUAL DISPLAY LCD & LED**

**MICROPROCESSOR BASED (SOFT TOUCH KEYS) 4 DIGIT LED &**

**16X2 LINE ALPHANUMERIC LCD DISPLAY**



HTI-317

MTC (Manual Temp. Comp)  
Range : 0 to1000ms (0-200u, 2m, 20m, 200m, &100m) 10000.00  
ATC (Auto Temp. Comp), 0 to 100°C,  
Range : 0 to1000ms (0-200u, 2m, 20m, 200m, &1000m) 13150.00

**HTI-319 CONDUCTIVITY/T.D.S./SALINITY/TEMP. METER DIGITAL : DUAL**

**DISPLAY LCD & LED MICRO PROCESSOR BASED (SOFT TOUCH KEYS) 4 DIGIT**

**LED &16X2LINE ALPHANUMERIC LCD DISPLAY, TEMPERATURE**

**INDICATION, ATC (Auto,Temp. Comp), COND.**

(0-200u, 2m, 20m, 200m, & 1000mm)  
T.D.S. : 0 to 200 ppm, 2ppt, 20ppt, 200ppt,1000ppt.  
Salinity : 0 to 200 ppm, 2ppt, 20ppt, 200ppt,1000ppt  
Temp. Range : 0 to 100-C 17900.00



**HTI-322**

**HTI-322 T.D.S. METER DIGITAL : DUAL DISPLAY LCD & LED**

**MICROPROCESSOR BASED (SOFT TOUCH KEYS) 4 DIGIT LED & 16X2 LINE**

**ALPHANUMERIC LCD DISPLAY**

MTC (Manual Temp. Comp)  
Range : 0 to 200ppm, 2ppt, 20ppt, 200ppt, 1000ppt 10000.00  
ATC (Automatic Temp. Comp)  
Range : 0 to 200ppm, 2ppt, 20ppt, 200ppt, 1000ppt 13200.00

**HTI-325 SALINITY METER DIGITAL DISPLAY LCD & LED MICROPROCESSOR**

**BASED (SOFT TOUCH KEYS) 4 DIGIT LED & 16X2 LINE ALPHANUMERIC**

**LCD DISPLAY**

MTC (Manual Temp. Comp)  
Range : 0to200ppm,2ppt,20ppt,200ppt,1000ppt 10000.00  
ATC (Automatic Temp. Comp)  
Range:0to200ppm,2ppt,20ppt,200ppt,1000ppt 13150.00  
Optional : Battery cum Mains provision in all above models (Extra) 3500.00



**HTI-326**

**OPTION & SPARES FOR COND./T.D.S./SALINITY METER**

Conductivity Cell 1.0 K	3150.00
Conductivity Cell 0.5 K	4200.00
Temp Probe	1400.00

**DISSOLVED OXYGEN METER**

**HTI-328 DISSOLVED OXYGEN METER MICROPROCESSOR BASED**

With 16x2 alphanumeric LCD display, simultaneous display of DO & Temperature.  
Data storage facility up to 700 Samples  
Resolution : 0.1 ppm  
Accuracy :- 0.2 ppm  
Temp. Comp. Auto/Manual  
Temp. : 0-50°C, RS232  
Power Supply : 230V - 10% AC, 50Hz.  
Complete with Gold/silver type D.O. Probe, Temp. Sensor, D.O. Membrane 30 Nos.  
29400.00



**HTI-328**

**TURBIDITY/NEPHELOMETERS**

**HTI-331 TURBIDITY/NEPHELOMETERS (LED MODEL)**

<b>Display</b>	:	4 digits LED Display
<b>Detector</b>	:	Photo Cell/Photo diode
<b>Range</b>	:	0 to 200,1000 NTU/JTU
<b>Resolution</b>	:	1 NTU/JTU
<b>Auto Standard Calibration</b>	:	5 Point Calibration
<b>Accuracy</b>	:	- 1% FS - 1 Digit
<b>Sample System</b>	:	30 mm clear Glass Test Tube
<b>Power Supply</b>	:	230 V - 10%,50 Hz AC.

**Light Source** : High Intensity L.E.D. Reflective Lamp of Selective Wave Length (To avoid self Heating of solution/Instrument due to Tungsten Lamp causes drift & changes in kinetic properties during measurement),Testing under normal/cooled atmosphere

21000.00



**HTI-331**

**PHOTO COLORIMETER MICROPROCESSOR BASED**

**(AUTO ZERO)**

**HTI-336 PHOTO COLORIMETER MICROPROCESSOR BASED (LCD/LED MODEL) WITH AUTO ZERO FACILITY**

11600.00

**DISPLAY** : 16X2 alphanumeric display or 3 digit LED, **Wavelength Range** : 400-700 nm, **% Transmission** : 0 to 100% T, **Absorbance** : 0 to 1.99 A, **Resolution** : 1% T, 0.01 Abs, **Key Board** : Single Key Soft Touch, **Auto Zero Facility**: Available, **Light Source** : 6.8 V.0.3 Amp, Tungsten Lamp, **Sample System** : 10 mm path length matched glass test tubes, **Minimum Sample Volume** : 1 ml, **Filters** : 400, 420, 480, 500, 520, 540, 620, 680 nm. **Power Supply** : 230 V AC - 10%,50 Hz.

Optional: Battery cum Mains provision in all above models (Extra)

3500.00



**HTI-336**

**FLAME PHOTOMETER**

**HTI-343 FLAME PHOTOMETER DIGITAL (DUAL DISPLAY)**

2½ Digit LED Display (ppm) along with compressor and other accessories, Auto Ignition System,

**Detector** : Silicon Photodiode, Nebulizer but Dual Display, (Na & K) can be measured at a time

**Optional** : CA & LI filters can be provided on extra cost

73500.00



**HTI-343**

**HTI-344 MICROPROCESSOR FLAME PHOTOMETER WITH SODIUM(NA) AND POTASSIUM(K) FILTERS**

**Readout** : 24x4 line LCD Display, Auto Ignition system

**Detector** : Silicon Photo Diode,

**Filters**: Narrow Band Interface Glass Filter,

**Nebulizer** : Black Bakelite, Axial Flow Type,

**Flame System** : LPG and Dry Oil free air, upto 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, Alphanumeric 4 line Display.

115500.00

**Power Supply** : 230 V - 10% AC, 50 Hz.

**Optional** : Ca & Li filters can be provided on extra cost

10500.00



**HTI-344**



**HTI-347 & 349**



**HTI-345 KARL FISCHER AUTO TITRIMETER**

37000.00

<b>Display</b>	: Array of 10 LED in Line	
<b>Sample Size</b>	: 1 to 50 mg of water	
<b>Indication</b>	: RUN ADD END Display in Auto Mode	
<b>K.F.Flow</b>	: Highly Sensitive solenoid control valve for Automatic control of	
<b>K.F. Reagent</b>		
<b>K.F. Dispensing Resolution</b>	: 0.05 ml.	
<b>Detection</b>	: Current Sensing by Electronic control	
<b>Measuring Electrode</b>	: Dual Platinum Electrode	
<b>Titration Cell</b>	: Air Tight 200ml. Glass Vessel	
<b>End Point Delay</b>	: 30 Seconds	
<b>Timer</b>	: Adjustable Timer	
<b>Stirrer</b>	: Variable Speed Magnetic Stirrer with ON/OFF control	
<b>Buzzer</b>	: Yes	
<b>Burette</b>	: Pressure filling auto zero burette with 0.5 ml .Resolution	
<b>Power Supply</b>	: 230 V,10%AC, 50 Hz.	
<b>Optional &amp; Spares</b>	:	
<b>Dual Platinum Electrode</b>		4200.00
<b>Burette Clear Glass(10ml)</b>		4200.00
<b>Titration Vessel</b>		2100.00
<b>Reservoir Bottle (500 ml)</b>		2100.00



**HTI-345**

**PORTABLE SOIL & WATER ANALYSER KIT**

**HTI-347 WATER AND SOIL ANALYSIS KIT MICROPROCESSOR BASED(7 Parameters)**

pH, mV. (ORP), conductivity (E.C), T.D.S., Temperature, D.O., Salinity	63000.00
<b>Display</b>	: 16x2 Alphanumeric LCD
<b>Operational Keys</b>	: Soft Touch Keys
<b>Power Supply</b>	: Main cum Battery operated with rechargeable cell, at least 8
<b>hours working</b>	: after single full recharge. Fitted in Briefcase, Useful for field and as well as laboratory use.
<b>Range</b>	: 0 to 14 pH
<b>Resolution</b>	: 0.01 pH
<b>Accuracy</b>	: 0.01 - Digit
<b>Temp. Comp.</b>	: 0 to 100°C(Automatic/Manual)
<b>Slope Adjust</b>	: 80% to 100%(Automatic)
<b>Auto Buffer Recognition</b>	: 3 Points Automatic 4.00, 7.00 & 9.20 pH
<b>mV. (ORP)</b>	
<b>Range</b>	: 0 to - 1999.9 mV
<b>Resolution</b>	: 0.1 mV
<b>Accuracy</b>	: - 0.1 mV - 1 Digit
<b>Conductivity (E.C.)</b>	
<b>Range</b>	: 0-20,0-200 uS & 0-2, 0-20 to uS & 0-2, 2-20, 0-200 uS.
<b>Resolution</b>	: 0.1 uS
<b>Range Selection</b>	: Automatic
<b>Accuracy</b>	: - 0.5%FS - 1 Digit
<b>Cell Constant</b>	: Adjustable
<b>Temp. Co.-Eff</b>	: Adjustable between 0 to 4 %
<b>Temp. Comp.</b>	: Automatic for entire range
<b>Reference Temp.</b>	: Selectable (5° to 50°C)
<b>T.D.S.</b>	
<b>Range</b>	: 0 to 20 & 0 to 200 ppm & 0 to 200 ppm & 0-2, 0-20, 0-200, 0-1000 ppt.

**Range Selection** : Automatic  
**Resolution** : 0.01 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 And Time  
**Error Indication** : pH. Error, Buffer Error, ORP Error  
**Interface** : RS-232, Centronics & Computers  
**Real Time** : 24 Hours Mode with Date  
**Digital Output** : Serial RS-232 & Parallel Centronics  
**Print Format** : All Data Date Wise



**HTI-357**

**HTI-349 WATER AND SOIL ANALYSIS KIT MICROPROCESSOR BASED(8 Parameters)**

pH, mV. (ORP), conductivity (E.C), T.D.S., Temperature, O.D., Salinity, Turbidity 68600.00  
**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

**HTI-353 ORP ELECTRODE ( Platinum Electrode )** 3300.00

**Note** : ORP ELECTRODE IS OPTIONAL FOR ALL THE ABOVE MODELS.

**COLONY COUNTERS MICROPROCESSOR, DIGITAL MODEL**

**HTI-357 COLONY COUNTERS MICROPROCESSOR** 6700.00

**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** : Decrement (Lockable for each step)  
**Back Counting Error** : Facility to avoid back counting Error. Safe guard to your labour time value  
**Dish Size** : 110 mm  
**Magnification** : X1.7  
**Power Supply** : 230 V- ,10%AC, 50 Hz.

**HTI-359 SPARE COLONY COUNTER PEN** 800.00

**SPECTROPHOTOMETERS**

**HTI-360 SPECTROPHOTOMETERS UV-VIS DOUBLE BEAM MICROPROCESSOR**

840000.00

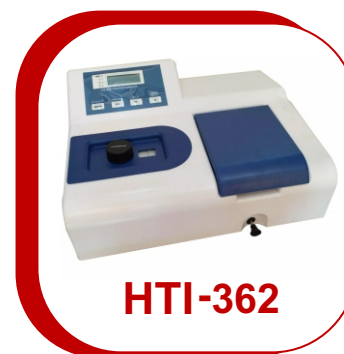
<b>Wavelength Range</b>	: 190 to 1100 nm
<b>Spectral Band Width</b>	: 1 nm
<b>Scanning Speed</b>	: Fast/Medium/Slow
<b>Photometric Range</b>	: -0.3, 3.5A. 0-220%T
<b>Working Model</b>	: T,A,C,E
<b>Wavelength Accuracy</b>	: - 0.3 nm
<b>Baseline Flatness</b>	: - 0.002 A (0~100% T)
<b>Optical System</b>	: Double Beam
<b>Detector</b>	: Dual Silicon Photo diode
<b>Display</b>	: 6" High Light Blue LCD
<b>Photometric Accuracy</b>	: - 0.3% T (0~100%T),- 0.002A(0~0.1A)
<b>Wavelength Reproducibility</b>	: <0.10nm
<b>Photometric Reproducibility</b>	: <0.15%T
<b>Stray Light</b>	: <0.1% T (NaI. 200nm, NaNo2, 340nm)
<b>Stability</b>	: <0.001 A/h (At 500nm, after warming up)
<b>Noise</b>	: <0.001 (At 500nm, after warming up)
<b>Power Supply</b>	: 230 V- 10% AC,50Hz
<b>Maximum of 9 Wavelength and 7 Samples can be measured at one time</b>	
<b>Special Feature</b>	: Facility provided with DNA Protein Test
<b>Accessories</b>	: Glass Cells 16 Nos, Quartz Cell 4 Nos, Instrument Cover 1No., Software CD1 No, RS232 Cable 1 No, Operation Manual 1 No.



**HTI-361 SPECTROPHOTOMETERS UV-VIS DOUBLE BEAM MICROPROCESSOR**

798000.00

<b>Wavelength Range</b>	: 190 to 1100 nm
<b>Spectral Band Width</b>	: 1 nm
<b>Scanning Speed</b>	: Fast/Medium/Slow
<b>Working Mode</b>	: T,A,C,E
<b>Wavelength Accuracy</b>	: - 0.3 nm
<b>Baseline Flatness</b>	: - 0.002 A (0~100% T)
<b>Optical System</b>	: Double Beam
<b>Detector</b>	: Dual Silicon Photo diode
<b>Display</b>	: 6" High Light Blue LCD
<b>Photometric Accuracy</b>	: - 0.3% T (0~100%T),- 0.002A(0~0.1A)
<b>Wavelength Reproducibility</b>	: <0.10nm
<b>Photometric Reproducibility</b>	: <0.15%T
<b>Stray Light</b>	: <0.1% T (NaI. 200nm, NaNo2, 340nm)
<b>Stability</b>	: <0.001 A/h (At 500nm, after warming up)
<b>Noise</b>	: <0.001 A/h (At 500nm, after warming up)
<b>Power Supply</b>	: 230 V- 10% AC,50Hz
<b>Maximum of 10 Wavelength and 7 Samples can be measured at one time.</b>	
<b>Special Feature</b>	: Facility provided with DNA Protein Test
<b>Accessories</b>	: Glass Cells 4 Nos, Quartz Cell 4 Nos, Instrument Cover 1No., Software CD1 No, RS232 Cable 1 No, Operation Manual 1 No.



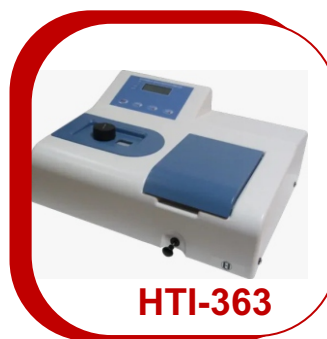
**HTI-362 SPECTROPHOTOMETERS UV-VIS SINGLE BEAM MICROPROCESSOR**

**ASSEMBLED WITH IMPORTED KIT (Advanced Model)**

291000.00

**SPECTRAL**

Display	:	128x64 LCD Alphanumeric
Spectral Wavelength	:	20 to 1000 nm
Spectral Band Width	:	2 nm
Accuracy	:	- 0.5nm
Repeatability	:	- 0.1nm
Resolution	:	0.1nm
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	:	- 0.002A/h @ 500nm
Detector	:	Silicone Photodiode
Standard Cell Holder	:	4-position 10mm cell charger
Light Source	:	Tungsten & Deuterium Port
Sample Holder	:	4 Position adjustable sample holder
Power Supply	:	230 V, 10%AC, 50 Hz.



**HTI-363**

**HTI-263 SPECTROPHOTOMETERS UV-VIS SINGLE BEAM MICROPROCESSOR**

255000.00

<b>Spectral Display</b>	:	4 Digit LCD
<b>Spectral Wavelength</b>	:	195 to 1000 nm
<b>Spectral Band Width</b>	:	2nm
<b>Accuracy</b>	:	- 0.5 nm
<b>Photometric</b>		
<b>Photometric Range</b>	:	%T:0 to 100%, Abs : 0 to 1.999, Conc.:0 to 1999, K: 0 to 1.999
<b>Data Readout</b>	:	Single Line LCD Display
<b>Printer Interface</b>	:	Printer Interface for any centronics dot matrix printer.
<b>Serial Interface</b>	:	RS232 Interface
<b>Light Source</b>	:	Tungsten Halogen Lamp, Deuterium Lamp (D2)
<b>Detector</b>	:	Wide range silicon Photodiode
<b>Sample Holder</b>	:	4 Position adjustable sample holder
<b>Power Supply</b>	:	230 V, 10% AC, 50 Hz.



**HTI-363**

**HTI-264 SPECTROPHOTOMETERS VISIBLE SINGLE BEAM MICROPROCESSOR**

118000.00

<b>Optical System</b>	:	Single Beam,1200 Lines/mm ruled grating
<b>Spectral Band Width</b>	:	2nm
<b>Wavelength Range</b>	:	320 - 1020 nm
<b>Wavelength Accuracy</b>	:	- 1.0 nm
<b>Wavelength Reproducibility</b>	:	1nm
<b>Photometric Accuracy</b>	:	- 1%T
<b>Photometric Reproducibility</b>	:	≤0.5%T
<b>Stray Light</b>	:	≤0.5%T at 360 nm, 420 nm
<b>Stability</b>	:	≤0.2% T/3 min (at % T) / ≤1.0%T/3 min (at 100%T)
<b>Photometric Range</b>	:	0~100 %T, 0.097~2.000A, 0~1999C(O~1999F)
<b>Light Source</b>	:	Tungsten Halogen Lamp 12V/20W



**Printing Facility** : RS232 (with Window Operated Software)  
**Display** : 4 Digit LED display  
**Power Requirement** : AC 220V - 10%, 50 Hz. - 1Hz.

**HTI-366 SPECTROPHOTOMETER DUAL DISPLAY DIGITAL**

(Data Reading &amp; Wave Length Display)

65000.00

**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** : 10mm Path length , 10&50 mm Path Length  
**Spectral Band Width** : 5nm  
**Wavelength Resolution** : 1nm  
**Wavelength Accuracy** : - 2.5 nm  
**Repeatability** : - 2nm  
**Display** : 3½ Digit (Data), 3 Digit (Wavelength) LED Display  
**Power Supply** : 230V,10% AC, 50 Hz.

**Optional** :

1. Cuvettes 10 mm Square glass made (1 Pair) 2800.00
2. Cuvettes 50 mm Square glass made (1 Pair) 5600.00
3. Cuvettes 10 mm Square glass made (1 Pair) 5600.00
4. Cuvettes 50 mm Square glass made (1 Pair) 11200.00



## OUR OTHER PRODUCTS

### ALL GLASSWARE ITEMS



### SURGICAL ITEMS



### ALL LABORATORY CHEMICALS



### MICROSCOPES



### SURVEY EQUIPMENTS



### LABORATORY RETORT STANDS, CLAMPS & METAL INSTRUMENTS



## **TERMS & CONDITIONS**

- 1. The prices are nett., ex works and can be changed without any notice.**
- 2. Packing, forwarding, postage and insurance shall be charged extra.**
- 3. We are not responsible for any sought of breakage during the shipment.**
- 4. All application taxes will be extra. Order once placed will not be cancelled.**
- 5. Advance 50% with purchase order and other 50% before dispatch shall be deposited.**
- 6.1 year warranty against any manufacturing defect will be given.**
- 7. Delivery time within 10-15 days after the placement of P. O.**
- 8. All disputes are subject to Chandigarh Jurisdiction.**



**htico**<sup>®</sup>  
(INDIA)

## **HI-TECH INSTRUMENTS**

**OFFICE :** SCO 623-624, Kesho Ram Complex  
Cabin No.204, Sector 45c, Chandigarh,  
Chandigarh, Chandigarh (04) - 160047.

**MOBILE :** +918146486828

**Website:** <http://hticoinstruments.com>

**Email Id :** [sale.hitechinstrument@gmail.com,](mailto:sale.hitechinstrument@gmail.com)

