



Laboratory Scientific Analytical Instruments and Pharmaceutical Instruments

- Spectrophotometers
- Electrochemistry Instruments
- Flame Photometer
- Blood testing Instruments
- Water Analysis Kit
- Pharmaceutical Instruments

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MODEL	INSTRUMENT	
MICROPROCESSOR BASED pH/ION METERS		
1016	Microprocessor Based pH / Ion Meter for ion concentration, pH, mV, relative mV, & Temperature measurements, using 20x4 line alphanumeric LCD, auto/manual temperature compensation, printer attachment and PS2 Keyboard attachment facility.	
1015	Microprocessor Based pH Meter a research grade instrument with 16 x 2 Line alphanumeric LCD display, pH, mV & Temperature display and resolution of 0.01 pH , 0.1 mV and 0.1°C. Its features include 5 point calibration , auto/manual temperature compensation up to 1000 samples storage along with accessories, provision for external dot matrix printer attachment. Provision for magnetic stirrer attachment is available. PC connecting software using USB interface at extra cost	
1013	Microprocessor Based pH Meter a research grade instrument with 16 x 2 Line alphanumeric LCD display, pH, mV & Temperature display and resolution of 0.001 pH , 0.1 mV and 0.1°C. Its features include 3 point calibration , auto/manual temperature compensation up to 1000 samples storage along with accessories, provision for external dot matrix printer attachment. Provision for magnetic stirrer attachment is available. PC connecting software using USB interface at extra cost	
1012	Microprocessor Based pH Meter with 16x2 Line alphanumeric LCD display showing pH, mV, Temperature, having auto temperature compensation, auto buffer recognition along with accessories. Data storage facility up to 1000 samples & external printer attachment facility available. PC connecting software using USB interface at extra cost	
1010	Microprocessor Based pH system with 7 digit, 7 segment LED display (3 for temperature and 4 for pH/mV) with auto/manual temperature compensation, auto buffer recognition, touch keys, along with accessories.	
Accessories on Request		
	<ul style="list-style-type: none"> a) pH combination electrode b) Gel filled epoxy body combination electrode c) pH electrode stand d) Temperature probe e) PC Software for Model 1012 & 1013 f) Fluoride ION electrode g) Mercury ION Electrode h) Cadmium ION Electrode i) Lead Ion Electrode j) Ionic Standard solutions each Concentration (500ml) k) Ionic Strength Adjuster Solution (TISAB 500ml) 	



MODEL	INSTRUMENT	
	DIGITAL pH METERS / POTENTIOMETERS	
alpha 01	Digital pH Meter with Temperature compensation and combination pH electrode. 3 ½ digit LED display for pH Measurements. (Table Model)	
181	Digital pH, Conductivity & Temperature Meter for measurement of pH, Conductivity & Temperature. 3½ digit LED display with pH combination electrode, conductivity cell and temperature probe. (Table Model)	
101	Deluxe pH Meter using latest microcontroller, auto temperature compensation, combination pH electrode and temperature probe, auto buffer recognition, touch keys , one touch calibration up to 3 point calibration.3½ digit LED display. (Table Model)	
111	Digital pH Meter using latest microcontroller, temperature compensation, combination pH electrode, auto buffer recognition, touch keys , one touch calibration up to 3 point calibration.3½ digit LED display. (Table Model)	
7200	pH/mV/Conductivity/TDS/Salt/Temp Water Proof Meter (Water Proof IP 57) used to measure a wide range of pH, ORP, Conductivity, TDS, Salinity and Temperature with a replaceable electrode. It has Large LCD to display pH or ORP or Conductivity or TDS or Salinity and Temperature simultaneously. It has Automatic Temperature Compensation (ATC) and is degree °C/°F switchable.	
7011	pH/mV/Temperature Water Proof Meter (Water Proof IP 57) measures a wide range of pH, ORP and Temperature with replaceable electrode with large LCD to display pH and Temperature simultaneously. It has automatic Temperature Compensation (ATC) and is degree °C/°F switchable.	
132	Digital pH Meter (Portable) 3½ digit LCD display in ABS plastic body with touch switches, auto temperature compensation and displays pH Values. It is supplied with combination pH electrode.	
131	Digital pH Meter (Portable) 3½ digit LCD display in ABS plastic body with touch switches and combination pH electrode.	
118	Digital Potentiometer with 3½ digit LED display along with 4 electrodes (glass, silver, platinum and reference electrode).	
119	Digital Potentiometer with 3½ digit LED display along with 2 electrodes (platinum and reference electrode).	
120	Digital Potentiometer using latest microcontroller with touch keys, one touch calibration, built-in standard cell, with stirrer and 2 electrodes (platinum and reference electrode), titration vessel and electrode stand.	
121	Digital Potentiometer using latest microcontroller with touch keys, one touch calibration, built-in standard cell and option for attaching one burette with stirrer and 2 electrodes(platinum and reference electrode), titration vessel and electrode stand.	
122	Digital Potentiometer using latest microcontroller with touch keys, one touch calibration, built-in standard cell and option for attaching two burettes with stirrer and 2 electrodes(platinum and reference electrode), titration vessel and electrode stand.	



MODEL	INSTRUMENT	
	Accessories on Request	
	a) pH combination electrode b) Gel filled epoxy body combination electrode c) Glass electrode d) Silver electrode e) Platinum electrode f) Reference electrode g) pH electrode stand h) Temperature probe i) Duracell battery or equivalent (9V DC) j) ORP Electrode (7000 EO) for Model – 7011 & 7200 k) pH Electrode (7000 EP) for Model – 7011 & 7200 l) Complete Burette Assembly containing, 1 No each. of Burettes (10ml), Reservoir Bottle, Rubber Bellow, Magnetic Capsule and Connecting Tubes (for Model 121) m) Complete Burette Assembly containing, 2 Nos. Burettes (10 ml), 2 Nos. Reservoir Bottles, Rubber Bellow, Magnetic Capsule and Connecting Tubes (for Model 122)	
	WATER AND SOIL ANALYSIS KITS	
1160	Microprocessor Water & Soil Analysis Kit for measurement of pH, Conductivity, ORP, TDS, Salinity, DO & Temperature. 16x2 Line bold alphanumeric LCD display, battery cum mains operated with all accessories, fitted in a VIP type portable brief case. Data storage facility up to 1000 samples & external printer attachment facility available. PC connecting software using USB interface at extra cost	
172	Water & Soil Analysis Kit 3½ digit LCD display covering 8 parameters: pH, Conductivity, TDS, Salinity, Colorimeter, Turbidity, Dissolved Oxygen & Temperature with rechargeable battery. Complete with accessories fitted in a high quality ABS brief case.	
191	Water & Soil Analysis Kit 3½ digit LCD display covering 7 parameters: pH, Conductivity, TDS, Salinity, Turbidity, Dissolved Oxygen & Temperature with rechargeable battery. Complete with accessories fitted in a quality ABS briefcase.	
161	Water and Soil Analysis Kit 3½ digit LCD display covering 7 parameters: pH, Conductivity, TDS, Salinity, ORP, DO and Temperature. Battery cum mains operated, complete with accessories, fitted in high quality ABS brief case.	
7200	pH/mV/Conductivity/TDS/Salt/Temp Water Proof Meter 6 parameters: (Water Proof IP 57) used to measure a wide range of pH, ORP, Conductivity, TDS, Salinity and Temperature with a replaceable electrode. It has Large LCD to display pH or ORP or Conductivity or TDS or Salinity and Temperature simultaneously. It has Automatic Temperature Compensation (ATC) and is degree °C/°F switchable.	



MODEL	INSTRUMENT	
UV-VIS SPECTROPHOTOMETERS (DOUBLE BEAM)		
2377	Double Beam UV-VIS Spectrophotometer with software Microcontroller Based Instrument having range 190 – 1100 nm, On-screen standard curve display on large 5 inches graphic LCD, Variable Selectable Spectral Bandwidth from 0.5 to 5nm , 1200 Lines/mm Grating, 8 position auto cell changer, Wavelength Scanning, PC connectivity through USB port & direct printer connectivity using parallel port interface. It has facility for WL Scan, Kinetics, Multi Wavelength & DNA/Protein modes, inclusive of PC software.	
2375	Double Beam UV-VIS Spectrophotometer with software Microcontroller Based Instrument having range 190 – 1100 nm, On-screen standard curve display on large 5 inches graphic LCD , 1.0 nm Spectral Bandwidth, 1200 Lines/mm Grating, 8 position auto cell changer, Wavelength Scanning, PC connectivity through USB port & direct printer connectivity using parallel port interface. It has facility for WL Scan, Kinetics, Multi Wavelength & DNA/Protein modes, inclusive of PC software.	
1372	Double Beam UV/VIS Spectrophotometer Microcontroller Based Instrument having range 190 to 1100 nm with 24x2 line LCD display, two quartz cuvettes, 18 touch keys, base line correction, source optimization & electronic calibration etc. It has facility for measurement of % T, Abs., Conc., K-Factor and multi component analysis. A set of 2 Quartz & Set of 4 Glass Cuvettes. The operating modes are single/multi wavelength, wavelength scan, time scan etc. with PC Software.	
UV-VIS SPECTROPHOTOMETERS (SINGLE BEAM)		
2373	Single Beam Scanning UV-VIS Spectrophotometer Microcontroller Based, Range 190-1100 nm with basic PC Software and 4 position cell changer. It has graphic LCD for display of kinetic, concentration graphs. PC connectivity through USB port & direct printer connectivity using parallel port interface. Extensive elaborate keyboard for ease of operator. Sample compartment can accommodate up to 100 mm cuvettes (optional). Basic modes like %T, Abs, Concentration, Kinetics available. Wavelength Scanning and DNA/Proteins can be done using advanced professional PC Software (at extra cost).	
2371	Single Beam UV-VIS Spectrophotometer Microcontroller Based, Range 200-1000nm with Basic PC Software and 4 position cell changer. PC connectivity through USB port & direct printer connectivity using parallel port interface. Sample compartment can accommodate up to 100 mm cuvettes (optional). Basic modes like %T, Abs., Concentration, Kinetics available. Wavelength Scanning can be done using advanced Professional Software (at extra cost).	
1371	Microprocessor UV/VIS Spectrophotometer (Single beam) Range 190 to 1000nm with facility for automatic concentration, %T, Abs. and K Factor measurements. It has 16x2 line LCD data display and motorized wavelength selection on 4 digit LED display. It has quad sample holder with 4 position selector control for 10mm path length cuvettes. Facility has been provided for 100 sample data storage and interface with any centronics printer. A set of 2 quartz cuvettes is provided. RS 232C interface software can be provided on request at extra cost. RS-232 interface Software can be provided on request at extra cost	
371	Digital UV-VIS Spectrophotometer (Single beam) Range 190 to 1000 nm with facility for automatic concentration, %Transmission & Abs. measurements. Motorized Microcontroller based wavelength selection, 4 digit LED display for wavelength, 3½ digit LED data display. It has 4 position sample holder with position selector control for 10mm path length cuvettes. A set of 2 quartz cuvettes is provided.	



MODEL	INSTRUMENT	
	Accessories on Request	
	a) Advanced Professional PC Software (Model – 2371 & 2373) b) RS-232 Computer Software (Model – 1371) c) Quartz cuvettes 10mm path length (set of 2) d) Glass cuvettes 10 mm path length (set of 2) e) Glass Cuvette 100 mm (Set of 2) f) Cuvette holder 100 mm path length g) Cuvette holder 50 mm path length h) Spare lamp (Vis.) Halogen 6V 10W	
	VISIBLE SPECTROPHOTOMETERS	
2306	Microprocessor Visible Spectrophotometer (Scanning) Range 320 -1100 nm. On-screen standard curve display on Graphic LCD, PC connectivity through USB port & direct printer connectivity using parallel port, Auto zero and blank. 0.1nm wavelength resolution supplied with basic PC software. Wavelength Scanning can be done using professional PC Software (at extra cost).	
2305	Microprocessor Visible Spectrophotometer Range 325-1000 nm. 4 digit Large LED display, PC connectivity through USB port & direct printer connectivity using parallel port interface, Auto zero & blank, 2nm wavelength resolution, with basic pc software.	
1305	Microprocessor Spectrophotometer (Vis) Single beam , range 340-960nm with facility for auto concentration, %Transmission, absorbance and K Factor measurements. It has 16x2 line alphanumeric LCD for data & wavelength display. Its sample holder accommodates glass cuvettes of 10mm path length. Facility has been provided for 100 sample data storage and interface for any dot matrix centronics printer. A set of two glass Cuvette is provided. RS 232C PC software can be provided on request at additional cost.	
304	Digital Spectrophotometer Range 340-960nm with facility for automatic concentration, %Transmission & Abs. measurements. Simultaneous display of wavelength with 1nm resolution on 3 digit LED display and data on 3½ digit LED display are available. Provision for 10mm & 50mm cuvette holders with adapter is available. A set of 2Nos. 10mm path length glass cuvettes is supplied with the instrument. 50mm cuvette set can be provided at extra cost.	
302	Digital Spectrophotometer Range 340-960nm with facility for automatic concentration, %Transmission & Abs. measurements. 3½ digit LED display. Simultaneous display of wavelength with 1nm resolution on 3 digit LED display and data on a 3½ LED display are available. Provision for 2 position sample holder. A set of 2 glass cuvettes having 10mm spectral path length. Wavelength resolution is 1nm.	
305	Digital Spectrophotometer Range 340-960nm with facility for automatic concentration, %Transmission & Abs. measurements. 3½ digit data display. Simultaneous display of wave length with 1nm resolution on 3 digit LED display and data on a 3½ LED display are available. Provision is made for 10mm path length, glass cuvettes.	
301	Digital Spectrophotometer Range 340-960nm with facility for automatic concentration, %Transmission & Abs. measurements. Wavelength resolution 5nm. 3½ digit LED display with a set of 2 glass cuvettes of 10 mm path length.	



MODEL	INSTRUMENT	
IMPORTED SPECTROPHOTOMETERS		
3305	Visible Spectrophotometer Range 340 to 1020 nm. 4 digit large LCD display, automatically adjust 0% & 100%T, Large Sample Room with facility to adjust from 10 to 50mm Cuvette	
3371	UV Spectrophotometer Range 190 to 1020 nm. 4 digit large LCD display, automatically adjust 0% & 100%T, 10 mm path length cuvette holder.	
3375	Double beam Spectrophotometer Microcontroller Based instrument having range 190nm – 1100 nm, 5 inches graphic LCD, 1200 lines/mm Grating, PC Connectivity through USB Port and Printer attachment facility	
Accessories on Request		
	<ul style="list-style-type: none"> a) Glass cuvettes 10 mm path length (set of 2) b) Glass cuvettes 50 mm path length (set of 2) c) Glass Cuvette 100 mm (set of 2) d) Cuvette Holder 100 mm path length e) Cuvette Holder 50mm path length f) Spare Lamp (Vis.) Halogen 6V 10W g) Polystyrene cuvettes 10mm path length (set of 5) h) Dot Matrix printer for centronics interface i) Advance Scanning Professional PC Software (Model-2306) j) RS 232C PC software (Model – 1305) 	
FLAME PHOTOMETERS		
1385	Microprocessor Flame Photometer (2F) with Sodium (Na) & Potassium (K) filters, up to 5 point calibration, direct readout in ppm & meq/l, auto filter selection, auto ignition, auto flame failure detection, automatic gas cut-off function , 20x4 line LCD display, Single Aspiration, printer attachment facility supplied with compressor and other accessories for lab & medical use. Additional Filters Calcium (Ca), Lithium (Li) and Barium (Ba) filter can be provided at extra cost. RS232 Professional PC software for Computer Interface extra	
1382	Microprocessor Flame Photometer (2F) with Sodium (Na) & Potassium (K) filters, up to 5 point calibration, direct readout in ppm & meq/l, auto filter selection, auto ignition, 20x4 line LCD display, Single Aspiration, RS232 interface PC software at extra cost, printer attachment facility supplied with compressor and other accessories for lab & medical use. Additional Filters Calcium (Ca), Lithium (Li) and Barium (Ba) filter can be provided at extra cost. RS232 Professional PC software for Computer Interface extra.	
1381	Microprocessor Flame Photometer (2F) with Sodium (Na) & Potassium (K) filters, 3 point calibration, direct readout in ppm & meq/l, auto filter selection, auto ignition, 5 digit LED display with compressor and other accessories for lab & medical use. Additional Filters Calcium (Ca), Lithium (Li) can be provided at extra.	
391	Dual Channel Flame Photometer (2F) dual channel, auto ignition, single aspiration, with filters Sodium (Na) & Potassium (K) for medical use. Final results in meq/l. Dual 2½ digit dual LED digital display for simultaneous results along with compressor and other accessories.	



MODEL	INSTRUMENT	
	Additional Filter Lithium (Li) can be provided at extra cost. (in meq for clinical use)	
392	Dual Channel Flame Photometer (2F) dual channel, auto ignition, single aspiration, with filters Sodium (Na) & Potassium (K) for Industrial/Lab use. Final results in ppm. Dual 2½ digit dual LED digital display for simultaneous results along with compressor and other accessories. Additional Filters Calcium (Ca), Lithium (Li) can be provided at extra cost. (in ppm for Industrial/lab use)	
381	Digital Flame Photometer (2F) with filters Sodium (Na) & Potassium (K) 2½ digit LED display (ppm) along with compressor and other accessories. Additional Filters Calcium (Ca), Lithium (Li) can be provided at extra cost.	
	Accessories on Request	
380	Interference Filters (Na, K, Li or Ca) Each Interference Filters (Ba) Each (Only for Model – 1382 & 1385) Air compressor unit with regulator and pressure gauge Capillary tubes (set of 3) Connecting Tubes Set Sample Beaker (set of 5) RS232C PC Software for Model 1385/1382 Nebulizer Atomizer Atomizer & Burner Unit (Complete)	
	COLORIMETERS / HAEMOGLOBINMETER	
alpha 03	Digital Photo Colorimeter with 8 filters, Mains operated, sample size ml and 2 ½ digit LED display.	
312	Digital Photo Colorimeter 8 filters , Mains operated using latest microcontroller, with 2½ digit LED display, sample size 1ml. Auto Zero using touch keys.	
313	Digital Photo Colorimeter 5 filters , Mains operated using latest microcontroller, with 2½ digit LED display, sample size 1ml. Auto Zero using touch keys.	
1312	Microprocessor Photo Colorimeter with 8 glass filters covering range of 400-700 nm with facility for auto concentration, %Transmission, Absorbance and K factor measurement. It has 16x2 line LCD data display. Its sample holder accommodates glass test tubes of 10mm path length. Facility has been provided for 100 sample data storage and interface for any centronics printer.	
1313	Microprocessor Photo Colorimeter with 8 glass filters covering range of 400 -700 nm with facility for auto concentration, %Transmission, Absorbance and K factor measurement. It has 3 digits red LED display. Sample size 1 ml.	
1311	Microprocessor Photo Colorimeter 3 digit display, 8 glass filters covering 400-700 nm, measures Abs. and %T has soft touch keys. Sample size 1 ml.	
1315	Microprocessor Haemoglobin Meter 3 digit LED display with soft touch keys, auto	



MODEL	INSTRUMENT	
	calibration. Direct reading in Hb units. Sample size 1 ml.	
	Battery cum Mains operated colorimeter are also available at an additional cost. While ordering, please mention specifically.	
	Accessories on Request	
	a) Standard Glass Filter, each color b) Test tube set of 5 for colorimeter c) Photocell / Photo Diode d) Visible lamp 6V 300mA e) Source LED	
	DIFFERENTIAL CELL COUNTER	
368	Differential Cell Counter , a microcontroller based system for quick differential counts, having facility to count 8 types of cells and Audible beep facility. The 16 digit Alphanumeric LCD Display shows the percentage (%) calculations, Individual Cell Count with built-in Stop Watch and Timer functions.	
	BLOOD MIXER / ROLLER MIXER	
524	Blood/Roller Mixer to make blood homogeneous with 4 rollers 230mm long.	
534	Blood/Roller Mixer to make blood homogeneous with 4 rollers 340mm long.	
1524	Digital Blood/Roller Mixer to make blood homogeneous with 4 rollers 230mm long, using latest microcontroller, stepper motor, digital timer/counter with digital RPM count	
1534	Digital Blood/Roller Mixer to make blood homogeneous with 4 rollers 340mm long, using latest microcontroller, stepper motor, digital timer/counter with digital RPM count	
	COLONY COUNTERS	
1363	Microprocessor Colony Counter 6 Digit Seven Segment , Range 0-999999 with Averaging, Count Correction and 100 Sample Storage facility.	
1362	Microprocessor Colony Counter 4 Digit Seven Segment , Range 0-9999 with Averaging, Count Correction and 100 Sample Storage facility.	
1361	Microprocessor Colony Counter 3 Digit Seven Segment , Range 0-999 with Averaging, Count Correction and 100 Sample Storage facility.	
363	Digital Colony Counter 6 digit LED display, Range 0-99999	
362	Digital Colony Counter 4 digit LED display, Range 0-9999	
361	Digital Colony Counter 3 digit LED display, Range 0-999	
	Spare Pen for Colony Counter	



MODEL	INSTRUMENT	
KARL FISCHER TITRIMETERS		
1760	Microprocessor K.F Moisture Titrator with built-in magnetic stirrer, Auto computation of moisture in ppm, %age and mg of water. Storage of date, time batch no. & final results of 20 titrations. K.F. Reagent dispensing by motorized process. Final results are flashed on 8 digit digital display. External printer attachment facility available.	
761	Auto Karl Fischer Titrimeter having built-in Magnetic Stirrer with array of 10 LED's , buzzer, auto zero burette, adjustable timer, dual platinum electrode and other accessories.	
Accessories on Request		
	<ul style="list-style-type: none"> a) Titration Vessel b) Dual Platinum Electrode for Model 1760 c) Dispensing Tube (set of 5) for Model 1760 d) Connecting Tube (per set) for Model 1760 e) Reservoir bottle 250ml (amber glass) for model 1760 KF Reagent f) Clear glass bottle 250 ml for Model 1760 g) Teflon Adaptor each for Model 1760 h) Solution Drainage Assembly for Model 1760 i) Dual Platinum Electrode for model 761 j) Connecting Tube for model 761 k) Burette Clear Glass (10ml) for model 761 l) Reservoir Bottle Clear Glass (500ml) for model 761 m) Rubber Bellow for model 761 n) Magnetic Capsule 	
PRINTER		
	80 Column dot matrix printer for Microprocessor Instruments	
PYROGEN TESTING INSTRUMENT		
461	Digital Tele Thermometer 6 Channels with 6 veterinary Probes	
	Spare Veterinary Sensor Probe	
TURBIDITY / NEPHELOMETERS		
341	Digital Nephelometer 3½ digit LED display. Range up to 200 NTU in 2 ranges (Table Model).	
331	Digital Turbidity Meter 3½ digit LED display. Range up to 1000 NTU/JTU in 2 ranges (Table Model).	



MODEL	INSTRUMENT	
335	Digital Turbidity Meter 3½ digit LED display, Range 0-1000 NTU/JTU available in 4 ranges 0-2, 0-20, 0-200, 0-1000 NTU/JTU. 230V AC 50 Hz (Table Model).	
1341	Microprocessor Based Nephelometer 3½ Digital LED display, range up to 200 NTU in 2 ranges with touch keys and auto calibration. 230V AC 50Hz (Table Model)	
1331	Microprocessor Based Turbidity Meter 3½ Digital LED display, range up to 1000 NTU in 2 ranges with touch keys and auto calibration. 230V AC 50Hz (Table Model)	
1335	Microprocessor Based Turbidity Meter 3½ Digital LED display, range up to 1000 NTU in 4 ranges 0-2, 0-20, 0-200, 0-1000 NTU with touch keys and auto calibration. 230V AC 50Hz (Table Model)	
Accessories on Request		
<ul style="list-style-type: none"> a) Test tube set of 5 b) Spare lamp 6.8V, 0.3Amp. / Source LED 		
MICROPROCESSOR BASED CONDUCTIVITY / TDS/ TDS / SALINITY METERS		
1615	Microprocessor pH-EC-TDS Meter with 16 x 2 Line alphanumeric LCD display showing pH, EC, TDS & Temperature. Features include auto temperature compensation, auto ranging facility in EC, up to 1000 sample storage facility and Printer attachment facility. PC connecting software using USB interface at extra cost	
1602	Microprocessor EC-TDS-Sal Meter with 16x2 line alphanumeric LCD display showing EC, TDS, Salinity & Temperature. Features include auto temperature compensation, auto ranging facility, up to 1000 sample storage facility and external Printer attachment facility. PC connecting software using USB interface at extra cost	
1611	Microprocessor pH-EC Meter with 16x2 Line alphanumeric LCD display showing pH, EC & Temperature. Features include auto temperature compensation, auto buffer recognition in pH, auto ranging facility in EC, up to 1000 sample storage facility and external Printer attachment facility. PC connecting software using USB interface at extra cost	
1601	Microprocessor Based Conductivity/TDS Meter with alphanumeric 16x2 line LCD display showing Conductivity, TDS and Temperature. Features include auto ranging, selectable reference temperature & temperature coefficient. Data storage facility for up to 1000 samples & external printer attachment facility available. PC connecting software using USB interface at extra cost	
Note:	Conductivity, TDS and Salinity Meters are supplied with conductivity cell having cell constant of 1.0 approximately.	
Accessories on Request		
<ul style="list-style-type: none"> a) Conductivity Cell (Cell constant 1.0) b) Conductivity Cell (Cell constant 0.5) c) Conductivity Cell (Cell constant 0.1) d) Conductivity Cell Stand e) Temperature Probe 		



MODEL	INSTRUMENT	
	f) PC Software for Model 1601, 1602, 1611 & 1615	
	DIGITAL CONDUCTIVITY/TDS/SALINITY/RESISTIVITY METERS	
alpha 05	Digital TDS Meter 3½ digit LED Display with facility for temperature compensation and digital cell constant adjustment along with TDS cell and other accessories.	
alpha 06	Digital Conductivity Meter 3½ digit LED display with facility for temperature compensation and digital cell count adjustment along with Conductivity Cell.	
181	Digital pH, Conductivity & Temperature Meter for measurement of pH, Conductivity & Temperature. 3½ digit LED display with pH Combination Electrode, Conductivity Cell and Temperature Probe. (Table Model)	
601	Deluxe Conductivity Meter using latest microcontroller, Auto Ranging (5 ranges from 200µS to 1000mS), auto temperature compensation, auto cell constant measurement, touch keys along with Conductivity Cell and Temperature Probe. (Table Model)	
602	Deluxe Conductivity Meter using latest microcontroller, Auto Ranging (6 ranges from 20µS to 1000mS), auto temperature compensation, auto cell constant measurement, touch keys along with Conductivity Cell and Temperature Probe. (Table Model)	
641	Digital Cond./TDS Meter using latest microcontroller, Auto Ranging (5 ranges from 200µs to 1000ms in Conductivity and 200ppm to 1000ppt in TDS) 3½ digit LED display for measurement of Conductivity and TDS with temperature compensation facility and auto cell constant measurement along with Conductivity/TDS Cell. (Table Model)	
642	Digital Cond./Resistivity Meter using latest microcontroller, Auto Ranging (5 ranges from 200µs to 1000ms in Conductivity and 2KΩ to 20MΩ in Resistivity) 3½ digit LED display for measurement of Conductivity and TDS with temperature compensation facility and auto cell constant measurement along with Conductivity/TDS Cell. (Table Model)	
611	Digital Conductivity Meter using latest microcontroller, Auto Ranging (5 ranges from 200µS to 1000mS), temperature compensation, auto cell constant measurement, touch keys along with Conductivity Cell. (Table Model)	
651	Digital TDS Meter using latest microcontroller, Auto Ranging (5 ranges from 200ppm to 1000ppt), temperature compensation, auto cell constant measurement, touch keys along with TDS Cell. (Table Model)	
652	Digital TDS Meter using latest microcontroller, Auto Ranging (5 ranges from 200ppm to 1000ppt), auto temperature compensation, auto cell constant measurement, touch keys along with TDS Cell and Temperature Probe. (Table Model)	
671	Digital Salinity Meter using latest microcontroller, Auto Ranging (3 ranges from 2ppt to 50ppt), temperature compensation, auto cell constant measurement, touch keys along with Salinity Cell. (Table Model)	
7200	pH/mV/Conductivity/TDS/Salt/Temp Water Proof Meter (Water Proof IP 57) used to measure a wide range of pH, ORP, Conductivity, TDS, Salinity and Temperature with a replaceable electrode. It has Large LCD to display pH or ORP or Conductivity or TDS or Salinity and Temperature simultaneously. It has Automatic Temperature Compensation (ATC) and is degree °C/°F switchable.	
7021	Cond./TDS/Salt/Temp Water Proof Meter (Water Proof IP 57) used to measure a wide range of Conductivity, TDS, Salinity and Temperature with a replaceable electrode. It has Large LCD to display Conductivity or TDS or Salinity and Temperature simultaneously. It has Automatic Temperature Compensation (ATC) and is degree °C/°F switchable.	



MODEL	INSTRUMENT	
621	Digital Conductivity Meter (Portable) 3½ digit LCD display in ABS plastic cabinet with touch switches. Battery operated.	
661	Digital TDS Meter (Portable) 3½ digit LCD display in ABS plastic cabinet with touch switches. Battery operated.	
662	Portable Salinity Meter 3½ digit LCD display in ABS plastic cabinet with touch switches. Battery operated.	
	Note: Conductivity, TDS and Salinity Meters are supplied with Conductivity Cell having cell constant of 1.0 approximately.	
	Accessories on Request	
	<ul style="list-style-type: none"> a) Conductivity Cell (Cell constant 1.0) b) Conductivity Cell (Cell constant 0.5) c) Conductivity Cell (Cell constant 0.1) d) Conductivity Cell Stand e) Temperature Probe f) ORP Electrode (7000 EO) for model 7200 g) pH Electrode (7000 EP) for model 7200 h) Conductivity Cell (7000 EC) for model 7200, 7021 	
	DISSOLVED OXYGEN METERS	
1801	Microprocessor Based D.O Meter with 16x2 Line alphanumeric LCD display, simultaneous display of DO & Temperature. Data storage facility up to 1000 samples and external printer attachment facility available. PC connecting software using USB interface at extra cost	
851	Dissolved Oxygen Monitor cum Temperature Indicator with simultaneous display of DO and temperature, housed in VIP brief case, 3½ digit LCD display with DO and temperature probe.	
801	Dissolved Oxygen Analyser cum Temperature Indicator along with speed regulated stirrer. Gold/Silver DO probe, RTD temperature sensor. (Table Model)	
811	Digital Dissolved Oxygen Meter 3½ digit LED display with gold/silver DO probe. (Table Model)	
831	Portable Digital Dissolved Oxygen Meter 3½ digit LCD display in ABS plastic body, touch switches along with Gold/Silver DO Probe.	
841	Magnetic Stirrer with Speed Controller	
	Accessories on Request	
	<ul style="list-style-type: none"> a) Dissolved Oxygen Probe (Amperometric Gold/Silver membrane Type) b) A set of 10 DO membranes 	



MODEL	INSTRUMENT	
	INSTRUMENTS FOR PHARMACY	
	TABLET DISSOLUTION APPARATUS	
1918	Microprocessor Dissolution Test Apparatus (Eight Basket) with 20 x 4 character alphanumeric LCD Display, Range 25-200 RPM, resolution 1 RPM and accuracy ± 1 RPM, Snap fit Paddle Attachment, Marble Finish Top, Circulating Pump, 20 Setup Storage facility, 200 test sample storage and with printer attachment facility. (Packing shall be charged extra.)	
1916	Microprocessor Dissolution Test Apparatus (Six Basket) with 20 x 4 character alphanumeric LCD Display, Range 25-200 RPM, resolution 1 RPM and accuracy ± 1 RPM, Snap fit Paddle Attachment, Marble Finish Top, Circulating Pump, 20 Setup Storage facility, 200 test sample storage and with printer attachment facility. (Packing shall be charged extra.)	
1912	Microprocessor Dissolution Test Apparatus (Single Basket) with 20 x 4 character alphanumeric LCD Display. Range 25-160 RPM, resolution 1 RPM and accuracy ± 1 RPM, 20 Setup Storage facility, 200 test sample storage and with printer attachment facility.	
912	Tablet Dissolution Test Apparatus (Single Basket) with built-in stirrer determines %age dissolution of active drug ingredients in tablets and capsules. Range 25-200 RPM, resolution 1 RPM and accuracy 1 RPM. It is supplied with unbreakable acrylic tank and stainless steel paddle and wire mesh basket.	
	Validation Kit Digital for Dissolution Test Apparatus consisting of Digital Tachometer Digital Temperature Indicator, Wobble Measuring Unit, Centre Aligning Plate, Digital Depth Gauge and Digital Protector.	
	Validation Kit Analog for Dissolution Test Apparatus consisting of Digital Tachometer Temperature Indicator, Wobble Measuring Unit, Centre Aligning Plate, Depth Gauge and spirit leveler.	
	Accessories on Request	
	TABLET DISINTEGRATION APPARATUS	
1901	Microprocessor Disintegration Test Apparatus (2 Basket) with 20 x 4 line alphanumeric LCD Display, 20 Setups storage facility, 200 samples storage facility, Dual temperature sensor control of Water bath and Beaker and Printer attachment facility.	
901	Digital Tablet Disintegration Apparatus (with two Baskets) measures disintegration time of 12 tablets/capsules at one time. Disintegration time is displayed on LED display.	
904	Digital Tablet Disintegration (with single Basket) measures disintegration time of 6 tablets/capsules at one time. Disintegration time is displayed on LED display.	
	TABLET FRIABILITY APPARATUS	
902	Digital Friability Test Apparatus (Double Wheel) measures obsession strength of tablets. Resolution range 0-999, accuracy ± 1 revolution and resolution 1 revolution, unbreakable acrylic drum. Results are displayed on 3 digits LED and 3 digits presettable controls.	



MODEL	INSTRUMENT	
903	Digital Friability Test Apparatus (Single Wheel) measures obsession strength of tablets. Resolution range 0-999, accuracy ± 1 revolution and resolution 1 revolution, unbreakable acrylic drum. Results are displayed on 3 digits LED and 3 digits presettable controls.	
1902	Microprocessor Friability Apparatus (Double Wheel) measures the tendency of a tablet to chip or breakdown to pieces when held under mechanical stresses. It uses the latest microcontroller , 20x4 line alphanumeric LCD display with backlit, soft touch membrane type keys, Rotational speed of drums can be set at different speeds (20-60 rpm), the samples can be loaded and unloaded conveniently without removing the drums, with serial printer interface and weighing balance interface.	
1903	Microprocessor Friability Apparatus (Single Wheel) measures the tendency of a tablet to chip or breakdown to pieces when held under mechanical stresses. It uses the latest microcontroller, 20x4 line alphanumeric LCD display with backlit, soft touch membrane type keys, Rotational speed of drums can be set at different speeds (20-60 rpm), the samples can be loaded and unloaded conveniently without removing the drums, with serial printer interface and weighing balance interface.	
	MELTING POINT APPARATUS	
1935	Auto Melting Point Apparatus (without Thermal Beaker) , Microprocessor based, with resolution 0.1°C to measure Melting Point instantly of any powder with capillary tube. Temp range 0-300°C with 4 digit LED display. Programmable Ramp and Plateau rate.	
1934	Auto Melting Point Apparatus (without Thermal Beaker) , Microprocessor based, with resolution 1°C to measure Melting Point instantly of any powder with capillary tube. Temp range 0-300°C with 4 digit LED display. Programmable Ramp and Plateau rate.	
935	Digital Melting Point Apparatus with resolution 0.1°C to measure melting point/ boiling point of solid and liquid samples. Temperature range 0-300°C with 4 digit LED display.	
934	Digital Melting Point Apparatus with resolution 1 °C to measure melting point/ boiling point of solid and liquid samples. Temperature range 0-300°C with 3 digit LED display.	
931	Melting Point Apparatus measures melting point/boiling point of solid and liquid samples. Temperature range 0-300°C built-in stirrer. Three solid samples can be tested at one time.	
	FLUOROMETER	
681	Digital Fluorometer measures fluorophors like vitamins, quinine, steroids and metal. Supplied with 2 primary and 3 secondary filters mounted on holders. Results are displayed on 3 digit 7 segment LED. Sensitivity in 4 ranges.	
	BULK DENSITY /TAPPED DENSITY APPARATUS	
951	Digital Bulk Density Apparatus with 1-9999 programmable strokes and facility for holding 2 cylinders simultaneously.	
1951	Microprocessor Tapped Density Tester used to measure tapped density of powders, as well as granulated or flaked materials using the latest microprocessor, 20x4 line alphanumeric LCD display, and soft touch membrane type keys. It has two motorized platforms which allow for 14 ± 2.0 mm drop height for the USP Method I version, and a 3 ± 0.3 mm drop height for the USP Method II version using interchangeable 100ml and 250ml cylinders.	



MODEL	INSTRUMENT	
	Accessories on Request	
	a) Basket for Disintegration Apparatus b) Acrylic wheel for Friability Test Apparatus c) Dissolution Acrylic Jar d) Capillary set for Melting Point Apparatus e) Test Tube Set for Fluorometer f) Glass Filter for Fluorometer	
	LEAK TEST APPARATUS	
1961	Microprocessor Leak Test Apparatus (12" desiccator) fully automatic with 20 x 4 Line alphanumeric backlit LCD, Mobile Keypad, Programmable Vacuum & Hold Time, Selectable Pressure Units, 5 Setup Storage Facility, Automatic Last Result Storage, Printer Attachment Facility. The instrument is supplied in S.S. Cabinet. Extremely useful for packing industry and ideal for Leak Testing of Strips, Blisters & Sachets.	
1961	Microprocessor Leak Test Apparatus (8" desiccator) fully automatic with 20 x 4 Line alphanumeric backlit LCD, Mobile Keypad, Programmable Vacuum & Hold Time, Selectable Pressure Units, 5 Setup Storage Facility, Automatic Last Result Storage, Printer Attachment Facility. The instrument is supplied in S.S. Cabinet. Extremely useful for packing industry and ideal for Leak Testing of Strips, Blisters & Sachets.	
961	Leak Test Apparatus (12" Desiccator) with 4 digit seven segment bright red LED display, Programmable Vacuum Hold Time up to 9999 Secs. Extremely useful for packing industry and ideal for Leak Testing of Strips, Blisters & Sachets. Please specify the desiccator size while ordering. Instrument can be supplied with SS Cabinet at extra cost .	
961	Leak Test Apparatus (8" Desiccator) with 4 digit seven segment bright red LED display, Programmable Vacuum Hold Time up to 9999 Secs. Extremely useful for packing industry and ideal for Leak Testing of Strips, Blisters & Sachets. Please specify the desiccator size while ordering. Instrument can be supplied with SS Cabinet at extra cost .	
961	Leak Test Apparatus (6" Desiccator) with 4 digit seven segment bright red LED display, Programmable Vacuum Hold Time up to 9999 Secs. Extremely useful for packing industry and ideal for Leak Testing of Strips, Blisters & Sachets. Please specify the desiccator size while ordering. Instrument can be supplied with SS Cabinet at extra cost .	
	Accessories on Request	
	a) Desiccator 12" b) Desiccator 8" c) Desiccator 6" d) Connecting Tubing	
	JAR TEST APPARATUS / FLOCCULATORS	
1926	Flocculator / Jar Tester with 6 paddles , using latest microcontroller, highly accurate digital RPM indicator which can be varied from 25 to 200 RPM, digital timer from 1 to 99 minutes with alert sound. Two pre-set programs allow routine speed and time parameters to be input and then selected by simply pressing one button. Parameters stored in the battery backup memory.	



MODEL	INSTRUMENT	
1924	Flocculator / Jar Tester with 4 paddles , using latest microcontroller, highly accurate digital RPM indicator which can be varied from 25 to 200 RPM, digital timer from 1 to 99 minutes with alert sound. Two pre-set programs allow routine speed and time parameters to be input and then selected by simply pressing one button. Parameters stored in the battery backup memory.	
1922	Flocculator / Jar Tester with 2 paddles , using latest microcontroller, highly accurate digital RPM indicator which can be varied from 25 to 200 RPM, digital timer from 1 to 99 minutes with alert sound. Two pre-set programs allow routine speed and time parameters to be input and then selected by simply pressing one button. Parameters stored in the battery backup memory.	
ON – LINE INSTRUMENTS		
421	On-Line pH controller with NO/NC contact with selected pH value along with Epoxy body pH electrode with 5Mtr. wire and Temp. Probe with 5 Mtr. wire along with holder for both pH & Temp. suitable for 1/4" pipe thread.	
422	On-Line pH controller with Dual NO/NC contact to control at upper and lower pH value along with Epoxy body pH electrode with 5 Mtr. wire and Temp. Probe with 5 Mtr. wire along with holder for both pH & Temp. suitable for 1/4" pipe thread.	
423	On-Line 3½ digit pH controller with 2 NO-C-NC (Independent) potential free relay contacts. 4 – 20 mA Isolated output with epoxy body pH electrode with 5 Mtr. wire, Temp. Probe, ½" BSP fitting (SS Nut) with 96 X 192 mm Din Panel mount cabinet. Buffer Solutions 4.00 & 7.00 pH, 230 VAC ± 10% 50 Hz.	
451	On-Line Conductivity Meter 0 – 20 µs with Cond. Cell with 5 Mtr. Lead in 90 X 90 mm Din Panel mount cabinet. 230 VAC ± 10% 50 Hz.	
452	On-Line pH Conductivity Meter 0 – 200 µs with Cond. Cell with 5 Mtr. Lead in 90 X 90 mm Din Panel mount cabinet. 230 VAC ± 10% 50 Hz.	
OTHER INSTRUMENTS		
TU-2016	Turbidity Meter. NTU (Nephelometric Turbidity Unit) Measuring Unit. Wide and auto measurement Range: 0-1000 NTU. High Resolution: 0.01 NTU /1 NTU. Four operation buttons and three calibration points, easy operation. Range: 0.00-50.00 NTU, 50-1,000 NTU. Auto ranging and data hold.	
CL-2006	a) Chlorine Meter- The meter measures the Free and total chlorine (CL) in the 0.00 to 3.50 ppm (mg/L). The measuring method is an adaption of the USEPA method 330.5 for waste water and Standard Method 4500-Cl G for drinking water. Range: Free chlorine (CL): 0.00 to 3.50 ppm (mg/L), total chlorine (CL): 0.00 to 3.50 ppm (mg/L). Resolution: 0.001(mg/L). Light Source: LED, 525 nm.	
PDO-519	Dissolve Oxygen Meter. Pen type, Auto Calibration. This Digital Dissolved Oxygen Meter is supplied with a polarographic type probe with an incorporated Temp. Sensor which serves for precise Dissolved Oxygen (DO) and Temp. Measurement. Multi-display, show Dissolved oxygen and temperature at the same time. IP-67 water resistance.	
SUC-322	Ultrasonic Bath / Sonicators 3.6 Ltrs., Tank capacity: 3.6Lt, Size: 12*6*4, In and out both SS, With digital timer for auto stop of sonication, Ultrasonic Power: 60Watt ±10%, fitted with	



MODEL	INSTRUMENT	
	15 Minute Timer & Drain valve to drain the liquid, supplied with basket and lid.	
SUC-321	Ultrasonic Bath / Sonicators 3.6 Ltrs. , Tank capacity: 1.6 Lt, Size: 10*5*2.5, In and out both SS, With digital timer for auto stop of sonication, capacity: 120 Watt +-10%, Fitted with 15 Minute Timer. Supplied with basket and lid.	
SUC-323	Ultrasonic Bath / Sonicators 6.5 Ltrs. , Tank capacity: 12*6*6, In and out both SS, With digital timer for auto stop of sonication, Ultrasonic Power 180 Watt ±10%. Ultrasonic Frequency 36 KHz ±10%, Drain valve & Digital 15 Minute Timer is fitted. Supplied with Lid & Basket.	
	SOIL TESING KITS	
S25450	Soil Testing Kits (For the estimation of Organic Carbon)	
S25550	Soil Testing Kits (For the estimation of N, P, K & pH)	
S25650	Soil Testing Kits refill Pack (Reagent Only) (For the estimation of N, P, K & pH)	
	WATER TESTING KITS	
W25550	Water Testing Kits (For the estimation of Total Hardness)	
W25525	Water Testing Kits (For the estimation of Calcium Hardness)	
W25535	Water Testing Kits (For the estimation of Fluoride Chloride & Residual Chlorine)	
W25530	Water Testing Kit (For the estimation of total alkalinity and pH)	
W25515	Water Testing Kit (For the estimation of Arsenic)	
W25615	Water Testing Kit – Refill pack (Reagent Only for the estimation of Arsenic)	25 Test Pack
W25520	Water Testing Kit (For the estimation of Phosphate & Iron)	4 x 10 Test Pack
W25560	Water Testing Kit (For the estimation of Nitrate, Nitrite and Ammonium in Water)	4 x 10 Test Pack
W25570	Water Testing Kit (Microbiological Testing)	
W25565	Water Testing Kit (For the estimation of Dissolve Oxygen)	200 Test Pack
W25568	Water Testing Kit – Refill pack (For estimation of Dissolve Oxygen)	100 Test Pack