



ANALYTICAL EQUIPMENT



YORCO
S A L E S P V T . L T D .

MODEL NO.: YSI-651**YSI pH METER DIGITAL**

With manual temperature compensation and combination pH electrode, 3 ½ digit LED display

Range	: pH: 0-14pH mV : 0 to ± 1999 mV
Resolution	: pH : 0.01 pH mV : 1 mV
Slope Correction	: 80% to 120% (optional)
Accuracy	: pH: ±0.01 pH ± 1 digit mV: ± 1mV±1digit
Temp Comp	: Manual
Indication	: 4 digit LED (12.5 mm high)
Power supply	: 230v±10%, 50 Hz AC
Input Resistance	: 10 ¹² ohms
Ambient Temp	: 10°C to 50°C
Dimensions	: 95x215x190mm
Weight	: 2000gms

Supplied complete with pH electrode, Electrode stand, dust cover, instruction manual, buffer solutions etc.

Spare	(a) Combination pH electrode (Epoxy body)
	(b) Gelfilled epoxy body combination electrode
	(c) Electrode stand

MODEL NO.: YSI-653**YSI pH METER MICROPROCESSOR BASED**

With alpha numeric LCD display showing pH, mV, temperature, having auto temperature compensation, 2 point calibration.

Technical Specification

Range	: 0-14pH
Resolution	: 0.01pH
Accuracy	: ± 0.01 pH ± 1 digit
Temperature Compensation	: 0-100°C automatic with PT-100
Calibration	: Auto as well as manual
mV Range	: -2000mV to +2000mV
mV Resolution	: 1mV
mV Accuracy	: ± 0.1% of range ± 1 digit
Calibration	: Two point manual, Sensor PT-100 Probe
Data Entry	: By soft touch keys with audible sound
	Storage 30 samples
Functions	: pH & Temperature simultaneously
Display	: 16 Characters x 2 lines alpha numeric LCD
Power supply	: 230 V ± 10%, 50 Hz Ac (12 V Battery optional) Supplied complete with pH electrode, Dust cover, Buffer solution, Electrode stand, Temp probe, Instruction manual

**MODEL NO.: YSI-652**
YSI pH METER DIGITAL

With auto temperature compensation (0 to 100°C), slope correction, 3 ½ digit LED display

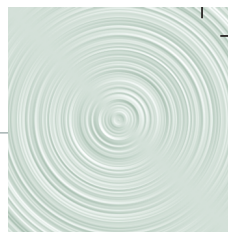
Range	: pH : 0-14pH mV : 0 to ± 1999 mV
Resolution	: pH : 0.01 pH mV : 1 mV
Slope Correction	: 80% to 120% (optional)
Accuracy	: pH:±0.01 pH ± 1 digit mV : ± 1mV±1digit

Temp Comp : Automatic

Supplied complete with pH electrode, Electrode stand, dust cover, instruction manual, buffer solutions etc.

Spare : Same as YSI-651





MODEL NO.: YSI-655

YSI pH METER MICROPROCESSOR BASED

—With Computer (MCCMS) Connectivity & with Magnetics Stirrer

Microprocessor controlled, having alpha numeric 4 line LCD display showing pH, my, temp., real time, process time simultaneously, inbuilt option to select between manual/auto temp. compensation. Type of temp. sensor, PT-100/LM-35 & the display resolution of pH (0.1,0.01,0.001). The unit also comprises of RS 232 port & magnetic stirrer, last calibration date is auto stored in the memory & user is allowed to set validity period of calibration.

The unit confirms to GLP standards.

Technical Specification

- Range : 0-14pH
 - Resolution : 0.001 pH
 - Accuracy : $\pm 0.001 \text{ pH} \pm 1 \text{ digit}$
 - Slop Adjustment : 80% to 120% by default 100%
 - Temperature Compensation : 0-100°C automatic with PT-100 Auto Buffer Recognition : 4.00pH, 7.00pH, 9.20pH Calibration : Auto as well as manual mV
 - Range : -2000mV to +2000mV
 - Resolution : 1mV
 - Accuracy : $\pm 0.1\%$ of range $\pm 1 \text{ digit}$
 - Calibration : Three point manual, Sensor PT-100 Probe Data Entry : By soft touch keys with audible sound
 - Storage : 10 Samples
 - Functions : pH & Temperature simultaneously
 - Display : 20 Characters x 4 lines alpha numeric LCD
 - Power supply : 230 V $\pm 10\%$, 50 Hz Ac (12 V Battery optional)
- Supplied complete with pH electrode, Buffer solution, Electrode stand, Temp probe, Instruction manual.

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MODEL NO.: YSI-658**YSI DIGITAL CONDUCTIVITY METER**

Mains operated, 3 1/2 digit LED display with facility for temperature compensation and cell constant adjustment, supplied with conductivity cell

Range : 10 umho to 1000 mmho in 5 ranges

Resolution : 0.01 umho

Accuracy(F.S.) : $\pm 0.5\% \pm 1$ digit

Cell constant compensation : Adjustable

Display : 3 1/2 digit LED

Input Frequency : 1000 Hz

Temperature compensation : Manual & Automatic (Optional)

Dimensions : 95x215x190mm

Weight : 2000gms

Supplied complete with conductivity cell, standard KCL solution, Dust cover, Instruction manual etc.

MODEL NO.: YSI-659**YSI DIGITAL CONDUCTIVITY METER**

Mains operated, 3 1/2 digit LED display with facility for Auto/manual temperature compensation and cell constant adjustment, supplied with

PVC conductivity cell

Range : 10 umho to 1000 mmho in 5 ranges

Resolution : 0.01 umho

Accuracy (ES.) : $\pm 0.5\% \pm 1$ digit

Cell constant compensation : Adjustable

Display : 3 1/2 digit LED

Input Frequency : 1000 Hz

Temperature compensation : Automatic Dimensions :

95x215x190mm Weight : 2000gms

Supplied complete with conductivity cell, standard KCL solution, Dust cover, Instruction manual etc.

MODEL NO.: YSI-660**YSI CONDUCTIVITY METER
MICROPROCESSOR BASED**

Function Conductivity & temperature simultaneously

Display 16 characters x 2 lines alphanumeric LCD

Power supply : 230 V $\pm 10\%$ 50 Hz AC or 12 V Battery

Range 0.01 us/cm to 199.9 ms/cm Auto ranging

Resolution : 0.01 us/cm on the lowest range

Accuracy : $\pm 0.5\%$ of range ± 1 digit

Cell constant compensation : Digital 0.05 to 2.000 by default Temperature compensation : 0 to 70°C Automatic with PT-100 sensor

Temp. Coeff. Adj. : 0.0% to 4.0% adjustable by default 2.000% Reference temperature : 25°C

Measuring Frequency : 50 Hz & 1 Khz Auto selection Temperature

Range : -100°C to +200°C

Resolution : 0.1°C

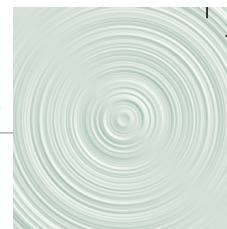
Accuracy $\pm 0.1\%$ of range 1 digit

Sensor : PT-100 probe

Data Entry : By soft touch key with audible sound

Supplied complete with conductivity cell, temp. probe, Dust cover, Instruction manual etc.





MODEL NO.: YSI-665

YSI DIGITAL SPECTROPHOTOMETER

Range 340-960nm with facility for automatic concentration % transmission & OD measurement. Wavelength resolution 5nm, 3 1/2 digit LED display

Range : 340 to 960nm
 Resolution : %T:0.1 %T, Abs: 0.001
 Output : %T: 0 to 100%, Abs: 0 to 1.999
 Conc.: 0 to 1999
 Detector : Silicon photo diode
 Light Source : 6V, 1 Amp Vertical tungsten Halogen lamp manochromator: 600 lines/mm grating

Path length : 10mm
 Spectral band width : 10nm
 Wavelength : 5nm on engraved disc.
 Wavelength Accuracy : 2.5nm
 Repeatability : ± 2nm
 Display : 3 1/2 digit LED
 Operating Temperature : 5°C to 45°C
 Power supply : 230 V±10% 50 Hz AC
 Dimensions : 460x320x185mm
 Supplied complete with test tubes 10 Nos.(10mm path length) Dust cover, instruction manual etc.

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**MODEL NO.: YSI-666****YSI FILTER PHOTO COLORIMETER**

5 filters, mains operated with optical density in 2 1/2 digit LED display, sample size 1 ml

Technical Specifications

Wave length : 400 to 700nm

Wave lengths Peak at : Violet (400), Blue (490), Green (520) Yellow (590), Red (650nm)

Absorbance (OD) : 0-2.00

Transmission : 0-100%

Filters : High standard glass filters

Accuracy : $\pm 0.02(OD) \pm 1 \text{ digit T(FS)}$: $\pm 1\%$

Resolution : 0.1

Display : 2 1/2 digit seven segments display with special built in push switch is given for accurate fast and precise reading of transmission and optical density.

Minimum Volume : 1.0ml

Light Source : 6V, 10W Tungsten filament lamp

Test tube : 10mm dia

Detector : High Sensitive Photo diode

Power supply : 230V $\pm 5\%$, 50 Hz AC

Battery : 2 V (Optional)

Ambient Temperature : 10°C to 45°C

Dimension : 290x315x210mm

Weight : 5 kg net

Supplied complete with Test tubes 10 Nos, spare lamp 6V, 10W 2 Nos, Fuse 315mA 2 Nos., Battery lead 1 pair, dust cover, instruction manual etc.

MODEL NO.: YSI-667**YSI FILTER PHOTO COLORIMETER**

8 filters, mains operated with optical density in 2 1/2 digit LED display, Sample size 1 ml

Technical Specifications

Wave length : 400 to 700nm

Wave lengths Peak at : 400, 490, 520, 540, 590, 620, 650, 700nm

Absorbance (OD) : 0-2.00

Transmission : 0-100%

Filters : High standard glass filters

Accuracy : $\pm 0.02(OD) \pm 1 \text{ digit T(FS)}$: $\pm 1\%$

Resolution : 0.1

Display : 2 1/2 digit seven segments display with special built in push switch is given for accurate fast and precise reading of transmission and optical density.

Minimum Volume : 1.0ml

Light Source : 6V, 10W Tungsten filament lamp

Test tube : 10mm dia

Detector : High Sensitive Photo diode

Power supply : 230 V $\pm 5\%$, 50 Hz AC

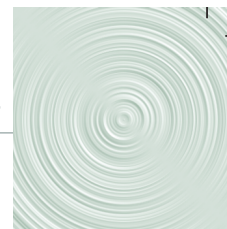
Battery : 12 V (Optional)

Ambient Temperature : 10°C to 45°C

Dimension : 290x315x210mm

Weight : 5 kg net

Supplied complete with Test tubes 10 Nos, spare lamp 6V, 10W 2 Nos, Fuse 315mA 2 Nos., Battery lead 1 pair, dust cover, instruction manual etc.



MODEL NO.: YSI-672

YSI DIGITAL CLINICAL FLAME PHOTOMETER

Dual channel, single aspiration, with filters (Na & K) for medical use. Final results in meq/l, 2-1/2 digital LED display along with compressor.

- Sensitivity
- Sodium (Na) : 1 ppm
- Calcium (Ca) : 20 ppm (optional)
- Potassium (K) : 1ppm
- Lithium (Li) : 10 ppm (optional)
- Range :
- Na : 0 to 100 ppm
- Ca : 20 to 100 ppm (optional)
- K : 0 to 100 ppm
- Li : 10 to 100 ppm (optional)
- Readout : 2 ½ digit LED
- Accuracy : ± 2% upto 40ppm,
± 5% above 40 ppm
- Repeatability : ± 2 count
- Detector : Photo diode
- Filters : Narrow band interference glass filter
- Nebulizer : Black bakelite axial flow type
- Flame system : LPG & Dry oil free air
- Warmup period : 10 minutes
- Power : 230 V ± 10%AC, 50 Hz
- Dimension : 355x245x230mm
- Weight : 7.5 kg (approx)

- Compressor unit
- Air supply combustion : by oil free mini compressor unit with pressure regular LPG controlled by pressure regulator
- Power supply : 230V ± 10% AC, 50 Hz
- Dimension : 275x1921x2401mm
- Weight : 9 Kg
- Supplied complete with NA & K filters, samples holders, instruction manual, mains lead air and gas tubing along with clamp, chimney, capillary tubes, cleaning wires.
- Accessories : Additional filter such as Na, K, Li, Ca Each.

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**MODEL NO.: YSI-680****YSI DIGITAL HEMOGLOBIN (Hb) METER**

Hemoglobin meter / reader is a compact, elegant & very reliable micro controller based equipment. An optical glass filter of 540+10nm and square cuvette have been incorporated to give accurate results. A very important feature; STD mode (concentration of 15 mg/l has been fed) and NON STD mode (absorbance of 0.30 OD has been fed) sample size 1 ml. 3 ½ digit LED display The digital Hemoglobin meter is designed to operate in two modes

(A) STD mode : (Concentration of 15gm/dl. has been fed)

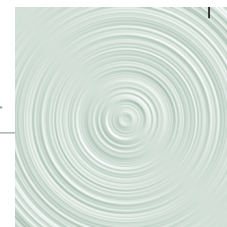
(B) NON-STD Mode : (Absorbance of 0.30 OD has been fed)

The final result of the unknown test will be displayed directly in concentration (gm/dl) No need of calculations

Specifications

Wave length filter	: 540 ±10nm optical glass filter
Minimum Volume	: 1ml
Display	: 3 ½ digit LED
Indicator	: 5nm LED Indicator provided for different modes
Lamp	: 6V/315mA Tungsten Lamp
Detector	: High sensitive photo diode
Power supply	: 230V ± 10% 50Hz AC
Battery	: 12 V (Optional)
Dimension	: 12"x1.2"x6.25"
Weight	: 5 kg

Supplied complete with lamp 2 Nos., fuse 2 Nos., Cuvette (Square) 5 Nos., Dust cover, Battery Lead 1 pair, Instruction manual etc.



MODEL NO.: YSI-690

YSI MELTING POINT APPARATUS

Salient Features :

- Ergonomic Design
- Reliable and Accurate
- Simple to use
- User friendly controls
- Programmable Heating rates
- Melt temperature storage
- Automatic Cooling
- The robust metal construction withstands with rigours of every day usage.
- Lens is removable to allow easy access to the heating block for cleaning

Technical Specifications :

Heating Block : Accommodates upto 3 samples tubes. It also incorporated a platinum resistance sensor for responsive and highly accurate measurement of temperature. It warms rapidly to the ramp start temperature and then sounds a signal to advice the user to commence the ramping operation. At the end of the melt there is an automatic cooling device to return conditions quickly for the next series of tests.

Key Pad : A specially designed membrane Key Pad allows easy setting of the desired ramp "Start" temperature and ramping rate (adjustable from 0.5°C to 1 0°C/minute. It also incorporates with temperature storage buttons to record for each sample upto 8 values including "start of melt" and full meniscus temperatures. All these values can be conveniently recalled, as desired by the user, at any time on the LCD Display.

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Code	Description	Resolution	Display	Temp. Range	Accuracy	Memory	Ramp rate	Dimension (mm)	Weight (kg)	Power
Model No.1	Melting Pointer Apparatus	0.1°C	LCD	Ambient to 360°C	±5°C at 20°C ±105°C at 360°C	Stores 8x readings per sample	0.5-10°C per min.in 0.1°C increments	W180xD260H190 closed-300 extended	3.5	230V/50Hz 120w
Model No.2	100x Melting Pointer Tubes (Closed both ends)									
Model No.3	100x Melting Pointer Tubes (Open both ends)									



STERIGLEAN



CORPORATE OFFICE

YORCO SALES PVT. LTD.

Yorco Corporate Tower, Plot No.2, Gazipur, Patparganj, Delhi-110096

Tel.: 011-46202222 (100 lines), Fax : 011-46202244

Email: sales@yorco.com, Website: www.yorco.com

YORCO CUSTOMER SUPPORT CENTRES

DELHI

11, Netaji Subhash
Marg, Daryaganj, N.Delhi-02
sales@yorco.com

MUMBAI

Yorco Chamber
3A, Takwadi, Mumbai- 400002
mumbai@yorco.com

HYDERABAD

3-4-512/4/1, LIG-H34RRT,
Barkatpura, Hyderabad-04
hyderabad@yorco.com

CHENNAI

Post Box No.
Chennai- 18
chennai@yorco.com

BANGLORE

Yorco Estate, No.7,
4th Cross, Banglore-32
blr@yorco.com

KOLKATA

Post Box No.
Kolkata- 700007
kolkata@yorco.com