



BEARING & TOOL CENTRE



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Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

Quotation

101 | TDS meter

Make	Lutron	HM	Eurolab
Range	10- 1900 ppm	With Temp.	Pen Type
Rs.	1890	1200	700
Catalog	Page No.- 2	Page No.- 5	Page No.- 4

101 - 1 | PH/ Conductivity / TDS Testers - Combined

Item Model no	pH/conductivity/TDS Testers HI 98129	pH/conductivity/TDS Testers HI 98130
Range	0.00 to 14.00 PH	0.00 to 14.00 PH
Least count	0.01 PH	0.01 PH
Hanna Make Rs.	11610	11610
Catalog	Page No. - 6	Page No. - 6

Note : No any warranty in all above Testing Instruments

Terms & Conditions –

- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** – Kotak Mahindra Bank Ltd.
- **Branch** – Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.

LUTRON MAKE

PH/ORP, DO, CD/TDS METER

Model : YK-2005WA

ISO-9001, CE, IEC1010

FEATURES



- * One meter for multi purpose operation :
PH/ORP, DO, CD/TDS METER
- * pH : 0 to 14.00 pH, ORP : ± 1999 mV.
- * Conductivity : 200 μ S/2 mS/20 mS/200 mS.
- * Dissolved oxygen : 0 to 20.0 mg/L.
- * ATC (automatic temperature compensation).
- * Real time data logger (record year, month, date, hour, minute, second), 16,000 data logger.
- * Max., Min., Data hold.
- * RS-232 computer interface
- * Optional electrode :
pH, ORP, CD/TDS, DO, ATC probe.
- * Jumbo LCD display.
- * DC 1.5V (UM-3, AA) x 4 PCs or
DC 9V adapter in.
- * Size : 203 x 76 x 38 mm.



Lutron

LUTRON ELECTRONIC

The Art of Measurement

PH/ORP, CD/TDS, DISSOLVED OXYGEN
Real time data logger, 16000 Data logger no., RS232

CONDUCTIVITY METER

Model : YK-2005WA

1. FEATURES

* One meter for multi purpose operation : PH/ORP, CD/TDS, Dissolved Oxygen.
* pH : 0 to 14.00 pH, ORP : ± 1999 mV.
* Conductivity : 200 uS/2 mS/20 mS/200 mS.
* Dissolved oxygen : 0 to 20.0 mg/L.
* Real time data logger (record year, month, date, hour, minute, second), 16,000 data logger.
* Real time data logger, build in clock (hour-MIN-sec., year-month-date).
* Auto data record, 16,000 Data logger no.
* Wide sampling time adjustment range from one second to 8 hours 59 minutes 59 seconds.
* RS232 computer interface.
* MAX, MIN, Data hold.
* RS-232 computer interface
* Can default auto power off or manual power off.
* Optional PH, ORP, CD/TDS, Dissolved Oxygen and ATC probe.
* DC 1.5V (UM-3, AA) x 4 PCs or DC 9V adapter in.
* PH meter function can select PH or ORP.
* PH measurement can select ATC or manual temperature adjustment.
* PH measurement can make the auto calibration for pH 7, pH 4 and pH 10 or other value.
* Conductivity measurement can select uS/mS or TDS
* Conductivity measurement can select Temp. Coefficient of measurement solution.
* ATC for the conductivity measurement.
* Dissolved oxygen meter use the polar graphic type oxygen probe with temperature sensor, high precision measurement for Dissolved Oxygen (DO) and temperature measurement.
* Heavy duty dissolved oxygen probe, probe head can connect with BOD bottle.
* DO use the automatic Temp. compensation.
* DO meter build in " % SALT " & " Mountain Height " compensation value adjustment.
* Super large LCD display with contrast adjustment for best viewing angle.
* Separate probe, easy for operation of different measurement environment.
* Wide applications: water conditioning, aquariums, beverage, fish hatcheries, food processing, photography, laboratory, paper industry, plating industry, quality control, school & college, water conditioning.

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI circuit.
Display	LCD size : 58 mm x 34 mm.
Measurement	PH/ORP Conductivity/TDS(Total Dissolved Solids) Dissolved Oxygen
Sampling Time of Data Logger	2 sec to 8 hour 59 min. 59 sec. '@ Auto datalogger
Data Hold	Freeze the display reading.
Memory Recall	Maximum & Minimum value.
Power off	Auto shut off saves battery life or manual off by push Button.

ELECTRICAL SPECIFICATIONS (23± 5 °C)

A. PH/mV

PH Electrode	Optional, Any PH electrode with BNC connector.
Measurement	PH 0 to 14 PH mV -1999 mV to 1999 mV
Input Impedance	10 ¹² ohm
Temperature Compensation for pH measurement	Manual 0 to 100 °C, be adjusted by push button on front panel. Automatic (ATC) With the optional temperature probe (TP-07) 0 to 65 °C.
pH Calibration	PH7, PH4, and PH10, 3 points calibration ensure the best linearity and accuracy.
Optional probe and accessories	* PH electrode.....PE-03, PE-11, PE-01, PE06HD PE-04HD, PE-05T, PE-03K7 * ATC (automatic temperature probe)..... TP-07 * pH 7 buffer solution..... PH-07 * pH 4 buffer solution..... PH-04 * ORP electrode..... ORP-14

2-2 Electrical Specifications (23 ± 5 °C)

Measurement	Range	Resolution	Accuracy
PH	0 to 14 PH	0.01 PH	± (0.02 PH + 2 d)
mV	0 to 1999 mV	1 mV	± (0.5% + 2 d)

* PH accuracy is based on calibrated meter only.

B. Conductivity

Conductivity probe	Optional, Carbon rod electrode for long life.
Function	* Conductivity (uS, mS) * TDS (Total Dissolved Solids, PPM) * Temperature (°C, °F)
Temperature Compensation **	Automatic from 0 to 60 °C (32 - 140 °F), with temperature compensation factor variable between 0 to 5.0% per C.
Probe Operating Temperature	0 to 60 °C.
Probe Dimension	Round, 22 mm Dia. x 120 mm length.
Optional probe and accessories	* Conductivity probe..... CDPB-03 * 1.413 mS Conductivity Standard Solution.....CD-14

1. Conductivity (uS, mS)

Range	Measurement	Resolution	Accuracy
200 uS	0 to 200.0 uS	0.1 uS	± (2% F.S.+1d)
2 mS	0.2 to 2.000 mS	0.001 mS	
20 mS	2 to 20.00 mS	0.01 mS	* F.S. - Full scale
200 mS	20 to 200.0 mS	0.1 mS	

* Temperature Compensation :
Automatic from 0 to 60 °C (32 - 140 °F), with temperature compensation factor variable between 0 to 5.0% per C.

* The accuracy is specified under measurement value ≤ 100 mS.

* mS - milli Simens

* @ 23± 5 °C

	<i>10 MIN, if no button be pressed.</i>
Sampling Time of display	Approx. 1 second.
Data Output	RS 232 PC serial interface.
Operating Temperature	0 to 50 °C. - Main instrument.
Operating Humidity	Less than 80% R.H.
Power Supply * main instrument	DC 1,5 V battery (UM3) x 4 PCs, (Heavy duty type). DC 9V adapter input. @ AC/DC power adapter is optional.
Power Current	Operatiron : Approx. DC 28 mA Clock (power off) : Approx. DC 1 uA.
Weight	365 g/ 0.8 LB. @ Battery is included.
Dimension	203 x 76 x 38 mm
Accessories Included	Instruction manual..... 1 PC Hard arrying case (CA-06).....1 PC
Optional Accessories	* PH electrode..... PE-03, PE-11, PE-01, PE06HD PE-04HD, PE-05T, PE-03K7 * ATC (Automatic Temperature Probe)..... TP-07 * pH 7 buffer solution..... PH-07 * pH 4 buffer solution..... PH-04 * Conductivity probe.....CDPB-03 * 1.413 mS Conductivity Standard Solution.....CD-14 * Oxygen probe.....OXPB-11 * Spare Probe head with Diaphragm setOXHD-04 * Probe-filling Electrolyte.....OXEL-03 * AC to DC 9V adapter. * RS232 cable, UPCB-02. * USB cable, USB-01 * Data Acquisition software, SW-U801-WIN. * Data Logger software, SW-DL2005.

20,000 PPM	1,320 to 13,200 PPM	10 PPM	* F.S. - Full scale
200,000 PPM	13,200 to 132,000 PPM	100 PPM	
* Temperature Compensation : Automatic from 0 to 60 °C (32 - 140 °F), with temperature compensation factor variable between 0 to 5.0% per °C. * The accuracy is specified under measurement value ≤ 66,000 PPM. * PPM - parts per million * @ 23± 5°C			

3. Temperature

Function	Measuring Range	Resolution	Accuracy
°C	0 °C to 60 °C	0.1 °C	± 0.8 °C
°F	32 °F to 140 °F	0.1 °F	± 1.5 °F
* @ 23± 5°C			

C. Dissolved oxygen

Oxygen Probe	Optional, The polarographic type oxygen probe with
Measurement & Range	Dissolved Oxygen 0 to 20.0 mg/L (liter). Oxygen in Air 0 to 100.0 %. Temperature 0 to 50 °C.
Resolution	Dissolved Oxygen 0.1 mg/L. Oxygen in Air 0.1 % O2 . Temperature 0.1 °C.
Accuracy (23± 5 °C)	Dissolved Oxygen ± 0.4 mg/L. Oxygen in Air ± 0.7% O2. Temperature ± 0.8 °C/1.5 °F.
Probe Compensation & Adj.	Temperature 0 to 50 °C, Automatic Salt 0 to 39 % Salt Height (M. T.) 0 to 8900 meter
Probe Weight	335 g/0.74 LB (batteries & probe included)
Probe Size	190 mm x 28 mm Dia. (7.5" x 1.1" Dia.)
Optional Accessories	* Oxygen probe.....OXPB-11 * Spare Probe head with Diaphragm set OXHD-04 * Probe-filling Electrolyte..... OXEL-03

* Appearance and specifications listed in this brochure are subject to change without notice.

0905-YK2005WA

EUROLAB MAKE





Features

- Ideal for commercial use. Includes a carrying case with belt clip.
- Highly efficient and accurate due to its advanced microprocessor technology.
- Hold Function: saves measurements for convenient reading and recording.
- Auto-off function: the meter shuts off automatically after 10 minutes of non-use to conserve batteries.
- Measurement Range: 0-9990 ppm. From 0-999 ppm, the resolution is in increments of 1ppm. From 1000 to 9990 ppm, the resolution is in increments of 10ppm, indicated by a blinking 'x10' image.
- Built-in digital thermometer
- Display: large and easy-to-read LCD screen.
- **Factory Calibrated:** our meters are calibrated with a 342 ppm NaCl solution. Meters can be recalibrated with a mini-screwdriver.
- Also available in "x10" mode: reads in increments only of 10 ppm (0-9990 ppm).
- [Click here for a photo of the meter with its case.](#)
- Need help deciding which meter is right for you? [View our TDS/EC Meter Selection Guide.](#)

Specifications

TDS Range: 0 - 9990 ppm (mg/L)

Temp. Range: 0 - 80 degrees Celsius

Resolution: 0-999: 1 ppm; 1000-9990: 10 ppm (indicated by a 'x10' icon)

Temperature Resolution: 0.1 degree Celsius (Celsius only)

Accuracy: +/- 2%

EC-to-TDS Conversion Factor: NaCl (avg. 0.5)

ATC: Built-in sensor for Automatic Temperature Compensation of 1 to 50 degrees Celsius (33 to 122 degrees Fahrenheit)

Power source: 2 x 1.5V button cell batteries (included) (LR44 or equivalent)

Battery life: 1000 hours of usage

Dimensions: 15.5 x 3.1 x 2.3cm (6.1 x 1.25 x 1 inches)

Weight with case: 76.5g (2.7 oz)

Weight without case: 56.7g (2 oz)



The Ultimate in HANNA Combination Testers!

HI 98129 and HI 98130 are waterproof testers that offer high accuracy pH, EC/TDS and temperature measurements in a single tester! No more switching between meters for your routine measurements. These floating, waterproof testers have a large easy-to-read, dual-level LCD and automatic shut-off. pH and EC/TDS readings are automatically temperature compensated (ATC).

These technologically advanced testers have a replaceable pH electrode cartridge with an extendable cloth junction as well as, an EC/TDS graphite electrode that resists contamination by salts and other substances. This gives these meters an extended life. Your tester no longer needs to be thrown away when the pH sensor is exhausted.

The EC/TDS conversion factor is user selectable as well as the temperature compensation coefficient (β).

Fast, efficient, accurate and portable, the Combo pH, EC/TDS and temperature tester brings you all the features you've asked for and more!

Replaceable pH electrode cartridge

The Combo features an easy-to-replace pH electrode and has an extendable cloth junction. The sturdy, snap-in connector means there are no pins to bend or break.



On-screen Battery Life

LCD indicates the percentage of battery power remaining upon startup.



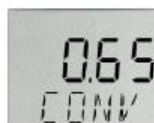
Standard or N.I.S.T Buffer Calibration

Auto calibration is performed with 2 sets of memorized buffers for greater accuracy.



Adjustable TDS Ratio

For measurement accuracy, users can choose between different conductivity to TDS conversion factors.



pH/Conductivity/TDS Testers

HI 98129 • HI 98130

Waterproof and Designed to Float



SPECIFICATIONS

		HI 98129	HI 98130
Range	pH	0.00 to 14.00 pH	
	EC	0 to 3999 $\mu\text{S}/\text{cm}$	0.00 to 20.00 mS/cm
	TDS	0 to 2000 ppm	0.00 to 10.00 ppt
	Temperature	0.0 to 60.0°C / 32.0 to 140.0°F	
Resolution	pH	0.01 pH	
	EC	1 $\mu\text{S}/\text{cm}$	0.01 mS/cm
	TDS	1 ppm	0.01 ppt
	Temperature	0.1°C / 0.1°F	
Accuracy (@20°C)	pH	± 0.05 pH	
	EC / TDS	$\pm 2\%$ F.S.	
	Temperature	$\pm 0.5^\circ\text{C} / \pm 1^\circ\text{F}$	
Temperature Compensation	pH: automatic; EC/TDS: automatic with β adjustable from 0.0 to 2.4% / °C		
Calibration	pH	automatic, 1 or 2 points with 2 sets of standard buffers (pH 4.01 / 7.01 / 10.01 or 4.01 / 6.86 / 9.18)	
	EC / TDS	automatic, 1 point at 1413 $\mu\text{S}/\text{cm}$ or 1382 ppm	automatic, 1 point at 12.88 mS/cm or 6.44 ppt
TDS Conversion Factor	adjustable, from 0.45 to 1.00		
pH Electrode	HI 73127 (replaceable; included)		
Environment	0 to 50°C (32 to 122°F); RH max 100%		

High accuracy

The graphite conductivity electrode provides greater accuracy because it cannot be contaminated by salt deposits in the solution. The exposed temperature sensor provides fast response times, and guarantees accurate temperature compensated readings.



The exposed temperature sensor provides fast response times, and guarantees accurate temperature compensated readings.

Battery Type / Life	(4) 1.5V / approx. 100 hours of continuous use, auto-off after 8 minutes of non-use
Dimensions/Weight	163 x 40 x 26 mm (6.4 x 1.6 x 1.0")/100 g (3.5 oz.)

ORDERING INFORMATION

HI 98129 (Combo) and **HI 98130 (Combo)** are supplied with 1.5V batteries (4), HI 73127 pH electrode and HI 73128 electrode removal tool.

ELECTRODES

HI 73127 Spare pH electrode for (Combo)

SOLUTIONS

HI 70004P pH 4.01 buffer solution, 20 mL sachets (25)

HI 70006P pH 6.86 buffer solution, 20 mL sachets (25)

HI 70007P pH 7.01 buffer solution, 20 mL sachets (25)

HI 70009P pH 9.18 buffer solution, 20 mL sachets (25)

HI 70010P pH 10.01 buffer solution, 20 mL sachets (25)

HI 70030P 12.88 mS/cm buffer solution, 20 mL sachets (25)

HI 70031P 1413 μ S/cm buffer solution, 20 mL sachets (25)

HI 70032P 1382 ppm buffer solution, 20 mL sachets (25)

HI 70038P 6.44 ppt buffer solution, 20 mL sachets (25)

HI 70442P 1500 ppm buffer solution, 20 mL sachets (25)

HI 70300M Electrode storage solution, 250 mL

HI 7061M Electrode cleaning solution, 250 mL

ACCESSORIES

HI 73128 Electrode removal tool

www.hannainst.com



3.25