

portable

Great combination meter for testing at high ranges

The HI 991301 high range meter offers great precision at high range to meet exacting requirements for testing pH, electro-conductivity, total dissolved solids and temperature.

Clear tutorial messaging on screen guides the user intuitively through the range of calibration buffers and temperature scale options.

Simple two button operation is easy to operate single-handedly - great for use out in the field

IP65 waterproof housing

Calibration solutions for conductivity and pH available for this meter.

Designed for optimum consistency and reproducibility

The HI 991301 portable high range conductivity meter offers a great range of user selectable features to deliver greater consistency and reproducibility.

- Different TDS factors ranging from 0.45 to 1.00
- Temperature coefficients (β) ranging from 0.0 to 2.4%



Supplied with

The HI 991301 meter is supplied as standard with:

- pH/EC/TDS/°C HI 1288 probe on 1m cable
- Starter pack of solutions
- Batteries
- Instructions

Multi-parameter probe
HI 1288 includes pH, EC/TDS and temperature in one convenient rugged handle – supplied as standard with the HI 991301

Solid state amplifier integrated into the probe to ensure against interference from transient electrical noise

Specifications

Product Code		HI 991301
Range	pH	0.00 to 14.00 pH
	EC	0.00 to 20.00 mS/cm
	TDS	0.00 to 10.00 ppt (g/L)
	Temp	0.0 to 60.0°C
Resolution	pH	0.01 pH
	EC	0.01 mS/cm
	TDS	0.01 ppt
	Temp	0.1°C
Accuracy	pH	±0.01 pH
	EC	±2% F.S.
	TDS	±2% F.S.
	Temp	±0.5°C
TDS Conversion Factor		selectable 0.45 to 1.00 with 0.01 increments (default 0.50)
pH Calibration		automatic at 1 or 2 points with 2 sets of memorized standard (pH 4.01/7.01/10.01 or 4.01/6.86/9.18)
EC/TDS Calibration		automatic; 1 point at 6.44 ppt (CONV 0.5) at 9.02 ppt (CONV 0.7)
Temperature Compensation	pH	Automatic
	EC/TDS	Automatic with selectable β from 0.0 to 2.4%/°C with 0.1 increments
Probe		HI-1288, pH/EC/TDS/T, DIN connector, 1 m (3.3') cable (included)
Battery Type		4 x 1.5V AAA
Battery Life		pprox. 500 hours of continuous use
Environment		0 to 50°C ; RH max 100%
Dimensions		150 x 80 x 36 mm
Weight		210 g

Portable EC TDS pH & °C low & high range models

part no: HI 991301 (High HR)

part no: HI 991300 (Low LR)

Water

Designed for optimum consistency and reproducibility

The HI 991301 HR combination meter for conductivity offers a great range of user selectable features to deliver greater consistency and reproducibility.

- Different TDS factors ranging from 0.45 to 1.00
- Temperature coefficients (β) ranging from 0.0 to 2.4%



HI 991300

HI 991300 Low Range model

conductivity • conductivity

High precision with consistent deliverability

The HI 991301 and HI 991300 high and low range instruments have both been designed to offer pH, conductivity, total dissolved solids and temperature measurements in a slim, lightweight portable unit.

For optimum precision testing from purified water to measurement in brine, simply select the meter with the conductivity range that will work best with your application.

Multi level LCD display

- Displays current measurement simultaneously with current temperature
- Clear tutorial messages on screen guide the user intuitively through the range of calibration buffers and temperature scale options

Automatic one or two point calibration

Simple two button operation is easy to use single-handedly – perfect for use out in the field

- HOLD button freezes readings on display for manual recording

Slimline waterproof housing

- Rated for IP67 conditions
- Easy to clean and keep clean

Automatic temperature compensation

Battery error prevention system alerts user of low battery which could adversely affect readings



Illustrated: HI 991301
High Range test EC,
pH, TDS and °C in one
slim, rugged unit

Multi-parameter probe HI 1288:

- Includes pH, EC/TDS and temperature in one convenient rugged handle
- Solid state amplifier integrated into the probe to ensure against interference from transient electrical noise

conductivity

Accessories designed for tough conditions

Both the HI 1288 multiparameter probe and protective rubber boot are designed for tough conditions – adding great value to both high and low range models.

HI 1288 multiparameter probe

- Amperometric conductivity probe with DIN connector and 1.2m cable
- Built in temperature sensor
- Sensor has PVC body with 'keep clean' design



Protective rubber boot

Available in either orange or blue, these rubber boots offer good shock protection for use out in the field.



Product code:

Orange: HI 710023

Blue: HI 710024

Supplied with HI 991301 & HI 991300

- HI 1288 multi-parameter probe
- Starter pack of buffer, calibration and cleaning solutions
- Batteries
- Instructions



Specifications

Product Code		HI 991300	HI 991301
Range	pH	0.00 to 14.00 pH	
	EC	0 to 3999 µS/cm	0.00 to 20.00 mS/cm
	TDS	0 to 2000 ppm (mg/L)	0.00 to 10.00 ppt (g/L)
	Temperature	0.0 to 60.0°C	
Resolution	pH	0.01 pH	
	EC	1 µS/cm	0.01 mS/cm
	TDS	1 ppm	0.01 ppt
	Temperature	0.1°C	
Accuracy	pH	±0.01 pH	
	EC	±2% F.S.	
	TDS	±2% F.S.	
	Temperature	±0.5°C	
TDS Conversion Factor		selectable 0.45 to 1.00 with 0.01 increments (default 0.50)	
pH Calibration		automatic at 1 or 2 points with 2 sets of memorized standard (pH 4.01/7.01/10.01 or 4.01/6.86/9.18)	
EC/TDS Calibration		automatic, 1 point at 1382 ppm (CONV 0.5) at 1500 ppm (CONV 0.7)	
Temperature Compensation	pH	Automatic	
	EC/TDS	Automatic with selectable β from 0.0 to 2.4%/°C with 0.1 increments	
Probe		HI 1288, pH/EC/TDS/T, DIN connector, 1 m (3.3') cable (included)	
Power Supply		4 x 1.5V AAA / approx. 500 hours of continuous use	
Environment		0 to 50°C ; RH max 100%	
Dimensions		150 x 80 x 36 mm	
Weight		210 g	



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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