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EcoSense® pH/EC1030A Pen
pH/Conductivity/TDS/Salinity/Temperature
Accurate, Economical Pen-Style Instrument

The EcoSense® pH/EC1030A pen-style instrument features an easy-to-use graphic interface, simple one-hand operation, memory, and low cost of ownership over the life of the product. The easy-to-replace electrode ensures the instrument is always ready for use.

The pH/EC1030A measures pH, conductivity, TDS, salinity and temperature with the following features:

- IP-67 waterproof housing
- 1-year instrument, 6-month electrode warranty
- Automatic temperature compensation
- Easily switch between °C and °F
- Clear, easy-to-read graphic LCD display
- Auto shut-off feature
- Replaceable pH and conductivity electrode
- "Hold" feature locks readings on display
- 50 data-set memory
- >100 hour battery life and low battery indicator
- CE compliant

The pH/EC1030A is designed for quick, accurate results in an economical platform. With a one-year instrument warranty and six-month electrode warranty, the pH/EC1030A will fit your needs for an easy-to-use pH, conductivity, TDS, salinity and temperature instrument.

Parameters:

- pH
- Conductivity
- TDS (Total Dissolved Solids)
- Salinity
- Temperature

Applications:

- Aquaculture/aquariums
- Swimming pools/spas
- Hydroponics/aquaponics
- Agriculture
- Surface water
- Wastewater



Distributed by:
Air-Met Scientific Pty Ltd
Air-Met Sales/Service
P: 1800 000 744
F: 1800 000 774
E: sales@airmet.com.au

Air-Met Rental
P: 1300 137 067
E: hire@airmet.com.au
W: www.airmet.com.au

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EcoSense pH/EC1030A System Specifications

pH	Range	0.00 to 14.00 units
	Resolution	0.01 units
	Accuracy	±0.2 units
Conductivity	Range	0.0 µS/cm to 20.0 mS/cm
	Resolution	1 µS or 0.01 mS
	Accuracy	0 to 10,000 µS/cm: ±1% FS or >10,000 µS/cm: ±3% FS
TDS	Range	0 mg/L to 20.0 g/L
	Resolution	1 mg/L or 0.01 g/L
	Accuracy	± 1% FS
Salinity	Range	0.0 to 10.0 ppt
	Resolution	0.1 ppt
	Accuracy	± 1% FS
Temperature	Range	-5.0 to 60.0°C (23 to 140°F)
	Resolution	0.1°C (0.1°F)
	Accuracy	±0.5°C (±0.9°F)
Operating Range		0.0 to 50.0°C (32.0 to 122.0°F)
Water Resistance		IP-67 waterproof case
Weight with Batteries		95 grams (3.35 ounces)
Dimensions		200 mm long x 44 mm wide x 25 mm depth (7.87 in. x 1.73 in. x 0.98 in.)
Battery		Four A76 miniature alkaline batteries, included with purchase
Battery Life		100 hours or greater (low battery indicator)
Warranty		One year instrument and six months electrode
Auto Power		Powers off after 10 minutes of inactivity
pH Offset Recognition		±100 mV at pH 7.00 OR +91.7 mV / -108.7 mV at pH 6.86
pH Slope Recognition		±30% at pH 4.00, 4.01, 9.18, or 10.01
pH Temp Compensation		Auto -5.0 to 60.0°C (23.0 to 140°F)
pH Buffer Recognition		USA (4.01, 7.00, & 10.01) or NIST (4.00, 6.86, & 9.18)
pH Buffer Temp Range		0.0 to 60°C (32.0 to 140.0°F)
Temp Sensor		Thermistor, 10k ohms at 25 °C
Memory		Non-volatile; 50 sets (pH/ Conductivity/ TDS / Salinity/ Temperature)
Conductivity Temp Coefficient		0 to 4.00%/°C (1.91%/°C is default)
Conductivity Reference Temp		15 to 25°C (25 °C is default)
TDS Constant		0.30 to 1.00 (0.65 is default)

EcoSense pH/EC1030A Ordering Information (order items separately)

606180	pH/EC1030A instrument (includes electrode, batteries, instruction manual)
606181	Electrode module (replacement)
605129	Soft, black carrying case with shoulder strap
603824	Assorted pH buffers case (6 pints - 2 of each buffer 4, 7, 10)
065270	1000 µS/cm conductivity calibrator solution (1 quart)
060907	1000 µS/cm conductivity calibrator solution (8 each, pints)
065272	10,000 µS/cm conductivity calibrator solution (1 quart)
060911	10,000 µS/cm conductivity calibrator solution (8 each, pints)
605118	Replacement battery kit (4 LR44 alkaline batteries)
606118	Replacement battery compartment kit (includes battery cover and battery gasket)

YSI

1725 Brannum Lane, Yellow Springs, OH 45387
 Tel +1 937.767.7241 800.897.4151 (US)
 info@ysi.com
 @YSIinc
 YSI.com

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