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SPECIFICATIONS

DOCUMENT #W26-07

YSI pH10A pH/Temperature

Accurate, Economical Pen-Style Measurement



Parameters:

pH
Temperature

Applications:

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

The EcoSense[®] pH10A pen-style instrument provides an ultimate feature set over similar competitive models. The pH10A 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, user-replaceable electrode ensures the instrument is always ready for use. The pH10A measures pH and temperature with the following features:

- IP-67 waterproof housing
- 1-year instrument warranty
- Automatic temperature compensation
- User-replaceable single- or double-junction electrodes
- Clear, easy-to-read graphic display with on-screen instructions
- Automatic calibration and buffer recognition
- 1, 2, or 3-point calibration
- GLP functionality (saves and displays last calibration data)
- "Hold" feature locks readings on display
- 50 data-set memory
- >200 hour battery life; low battery indicator
- CE compliance

The pH10A is designed for quick, accurate results in an economical platform. With a one-year instrument warranty and six-month electrode warranty, the pH10A will fit your needs for an easy-to-use pH instrument for any sampling application.

The pH10A is a reusable pen-style instrument. The electrode cap is easy to replace while keeping the instrument. No throw-away instrument here!



YSI.com/pH10A

YSI pH10A System Specifications

pH	Range	0.00 to 14.00 units
	Resolution	0.01 units
	Accuracy	±0.1 unit within 10 °C of calibration, ±0.2 unit within 20 °C
Temperature	Range	0.0 to 100.0 °C (32.0 to 212 °F)
	Resolution	0.1 °C (0.2 °F)
	Accuracy	±0.3 °C (±0.6 °F)
Operating Range	0.0 to 50.0 °C (32.0 to 122.0 °F)	
Water Resistance	IP-67 waterproof case	
Weight with Batteries	105 grams (3.7 ounces)	
Dimensions	30 mm (1.18 in.) diameter at electrode collar; 19 mm (0.75 in.) diameter at widest point of sensor body without storage cap 182 mm long x 22 mm wide (7.17 in. x 0.87 in.)	
Battery	Four LR44 alkalines included with purchase	
Battery Life	200 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	±90 mV at pH 7.00 or +98.3 mV / -81.7 mV at pH 6.86	
pH Slope Recognition	±30% at pH 4.00, 4.01, 9.18, or 10.01	
pH Temp Compensation	Auto 0.0 to 100.0 °C (32.0 to 212 °F)	
pH Buffer Recognition	USA (4.01, 7.00, & 10.01) or NIST (4.01, 6.86, & 9.18)	
pH Calibration Temp	0.0 to 60 °C (32.0 to 140.0 °F)	
Temp Sensor	Thermistor, 10k ohms, at 25 °C	
Memory	Non-volatile; 50 sets (absolute or relative pH, temperature, date and time stamp); erase all data function	

YSI pH10A Ordering Information (order items separately)

pH10A	pH10A instrument (includes 606110 electrode, batteries, instruction manual)
606110	Single-junction pH electrode (replacement)
605116	Double-junction pH electrode
605129	Soft, black carrying case with shoulder strap
3824	Assorted pH buffers case (6 pints - 2 of each buffer 4, 7, 10)
606118	Replacement battery kit (4 LR44 alkaline batteries; battery cover)

YSI

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