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## YSI EC30A Conductivity/TDS/Temperature

### Accurate, Economical Pen-Style Measurement



#### Parameters:

Conductivity  
Total Dissolved Solids  
Temperature

#### Applications:

- Aquaculture
- Aquariums
- Surface water
- Agriculture
- Hydroponics
- Wastewater



The EcoSense<sup>®</sup> EC30A pen-style instrument provides an ultimate feature set over similar competitive models. The EC30A features an easy-to-use interface, simple one-hand operation 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 EC30A measures conductivity, TDS and temperature with the following features:

- IP67 waterproof housing
- 1-year instrument warranty
- Automatic temperature compensation
- User-replaceable electrodes
- 1- or 2-point calibration
- Clear, easy-to-read display with on-screen instructions
- Selectable units of measure for conductivity, TDS and temp
- Selectable or auto-ranging for conductivity or TDS
- "Hold" feature locks readings on display
- >200 hour battery life; low battery indicator
- Last calibration GLP record

With a one-year instrument and electrode warranty, the EC30A will fit your needs for an easy-to-use conductivity, TDS and temperature instrument.

The EC30A is a reusable pen-style instrument. The electrode cap is easy to replace while keeping the instrument. No throw-away instrument here!

## YSI EC30A System Specifications

Conductivity	Range	0.0 $\mu$ S to 19.90 mS, with manual or auto ranging	
	Resolution	0 to 1990 $\mu$ S/cm	5 $\mu$ S/cm
		2.00 to 19.90 mS/cm	0.05 mS/cm
Temperature	Accuracy	$\pm$ 1% FS	
	Range	0.0 to 99.5 $^{\circ}$ C (32.0 to 212.0 $^{\circ}$ F)	
	Resolution	0.5 $^{\circ}$ C (1 $^{\circ}$ F)	
TDS	Accuracy	$\pm$ 0.5 $^{\circ}$ C (1 $^{\circ}$ F)	
	Range	0 mg/L to 10.00 g/L	
	Resolution	0 to 1000 mg/L	5 mg/L
		1.00 to 10.00 g/L	0.05 g/L
	Accuracy	$\pm$ 1% FS	
Operating Range	0.0 to 50.0 $^{\circ}$ C (32.0 to 122.0 $^{\circ}$ F)		
Water Resistance	IP67 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 electrode		
Auto Power	Powers off after 10 minutes of inactivity		
Temp Coefficient	1.91%/ $^{\circ}$ C		
Reference Temp	25 $^{\circ}$ C		
TDS Constant	0.50		
Temp Sensor	Thermistor, 10k ohms, at 25 $^{\circ}$ C		
Calibration	1- or 2-point		

## YSI EC30A Ordering Information (order items separately)

606121	EC30A instrument (includes 606114 electrode, batteries, instruction manual)
606114	Conductivity electrode (replacement)
605129	Soft, black carrying case with shoulder strap
606118	Replacement battery kit (4 LR44 alkaline batteries; battery cover)
3161	1000 $\mu$ S/cm conductivity calibrator solution (1 quart)
3167	1000 $\mu$ S/cm conductivity calibrator solution (8 each, pints)
3163	10000 $\mu$ S/cm conductivity calibrator solution (1 quart)
3168	10000 $\mu$ S/cm conductivity calibrator solution (8 each, pints)

### YSI

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