

Long-term Deployment Water Quality Sonde

- **Tipo de producto**
  Instalación fija

- **Parámetros medidos**
  Temperatura, nivel/profundidad, oxígeno disuelto, conductividad, pH, turbidez y clorofila

- **Puntos destacados**
  Diseñada específicamente para intervenciones largas de hasta tres meses.

- **Interface**
  SDI-12, RS232

El miembro más reciente de la familia de sondas para la calidad del agua HydroCAT también puede medir el pH, la turbidez y la clorofila. Conectando el sensor de pH en línea con los parámetros de conductividad, temperatura y oxígeno disuelto óptico, la HydroCAT-EP puede permanecer operativa durante hasta tres meses sin necesidad de procesar sus datos para corregir la deriva.

Conductivity	
Range	0 ... 70 mS/cm (0- 70,000 µS/cm)
Accuracy	± 0.003 mS/cm (3 µS/cm)
Typical Stability	0.003 mS/cm (3 µS/cm) per month
Resolution	0.0001 mS/cm (0.1 µS/cm)

Temperature	
Range	-5 ... 45°C

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Accuracy	± 0.002°C/± 0.01°C (over 35°C)
Typical Stability	0.0002°C per month
Resolution	0.0001°C

Pressure	
Range	0 ... 20 m/ 0 ... 100 m/ 0 ... 350 m
Accuracy	± 0.1% of full scale range
Typical Stability	0.05% of full scale range
Resolution	0.002% of full scale range

Optical Dissolved Oxygen	
Range	200% of surface saturation in all natural waters
Accuracy	± 0.1 mg/L (3 µmol/kg) or ± 2% whichever is greater
Typical Stability	< 0.03 mg/L (1 µmol/kg)/ 100,000 samples (20°C)
Resolution	0.007 mg/L (0.2 µmol/kg)

ph	
Range	0 ... 14 pH
Accuracy	± 0.1 pH

Typical Stability	0.1 pH over 90 days

Resolution	0.01 pH

Turbidity	
Range	0 ... 3,000 NTU
Accuracy	± 1%
Resolution	0.06 ... 0.17 based on range

Chlorophyll	
Range	0 - 400 µg/L
Accuracy	± 3%
Resolution	0.007 ... 0.037 based on range

Electrical	
Clock Stability	5 sec/month
External Power	(optional) 0.25 Amps at 9 □ 24 VDC
Internal Power	7.8 AMP battery pack (AA Lithium)

Communication	SDI 12/RS232

Memory	16 MB non-vlatile FLASH 215,000 samples

Service	Annual service and factory calibration
Warranty	5 years (some exclusions see full Warranty Statement)

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Datos técnicos

Sea-Bird Scientific HydroCAT-EP

Housing	350 m plastic housing
Weight	4.05 kg (9.0 lbs) in air
Length	722 mm (28.45 in)
Diameter	139.5 mm (5.49 in)

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