



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 μ S/cm)
Accuracy	\pm 0.003 mS/cm (3 μ S/cm)
Typical Stability	0.003 mS/cm (3 μ S/cm) per month
Resolution	0.0001 mS/cm (0.1 μ S/cm)

Temperature	
Range	-5 ... 45°C

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We reserve the right to make technical changes and improvements without notice. V-19/09/2021
OTT Hydromet GmbH, Germany

Accuracy	$\pm 0.002^{\circ}\text{C} \pm 0.01^{\circ}\text{C}$ (over 35°C)
Typical Stability	0.0002 $^{\circ}\text{C}$ per month
Resolution	0.0001 $^{\circ}\text{C}$

Pressure	
Range	0 ... 20 m/ 0 ... 100 m/ 0 ... 350 m
Accuracy	$\pm 0.1\%$ 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 $\mu\text{mol/kg}$) or $\pm 2\%$ whichever is greater
Typical Stability	< 0.03 mg/L (1 $\mu\text{mol/kg}$)/ 100,000 samples (20°C)
Resolution	0.007 mg/L (0.2 $\mu\text{mol/kg}$)

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

Typical Stability	0.1 pH over 90 days
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Resolution	0.01 pH
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Turbidity	
Range	0 ... 3,000 NTU
Accuracy	$\pm 1\%$
Resolution	0.06 ... 0.17 based on range

Chlorophyll	
Range	0 - 400 $\mu\text{g/L}$
Accuracy	$\pm 3\%$
Resolution	0.007 ... 0.037 based on range

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

Communication	SDI 12/RS232
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Memory	16 MB non-volatile FLASH 215,000 samples
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Service	Annual service and factory calibration
Warranty	5 years (some exclusions see full Warranty Statement)

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)