



Multiparametersonde für die Messung von Leitfähigkeit, Temperatur, Druck/Tiefe, gelöstem Sauerstoff, pH-Wert, Trübung und Chlorophyll.

- **Produktart**
Fest installiert, Mobil
- **Messparameter**
Temperatur, Druck, gelöster Sauerstoff, Leitfähigkeit, pH, Trübung, Chlorophyll
- **Produkt Highlights**
Speziell für längere Einsätze von bis zu 3 Monaten in nährstoffreichen biologisch stark aktiven Gewässern entwickelt.
- **Schnittstellen**
SDI-12, RS-232, RS-485 (optional)

Das neueste Mitglied der Hydrocat Sondenfamilie misst zusätzlich zu Leitfähigkeit, Temperatur, Druck/Tiefe und gelöstem Sauerstoff (optisch) nun auch pH-Wert, Trübung und Chlorophyll. Die Sonde ist speziell für Langzeiteinsätze von bis zu drei Monaten konzipiert.

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
Accuracy	\pm 0.002°C/ \pm 0.01°C (over 35°C)

1-3

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Sea-Bird Scientific HydroCAT-EP Wasserqualitäts-Messsonde



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
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Resolution	0.01 pH
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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
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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
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2-3

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Weight	4.05 kg (9.0 lbs) in air
Length	722 mm (28.45 in)
Diameter	139.5 mm (5.49 in)

3-3

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