



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) |

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OTT Hydromet GmbH, Germany

Technische Daten

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 |

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|-------------------|---------------------|
| 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) |

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|---------------|--------------|
| 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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| | |
|----------|--------------------------|
| 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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