

Submersible measuring Probes with integrated signal amplifier



The submersible measuring probes present a selection of highly reliable, robust systems for precise monitoring and limit control.

Application areas

- Surface water
- Ground water
- Sewer monitoring
- Process monitoring

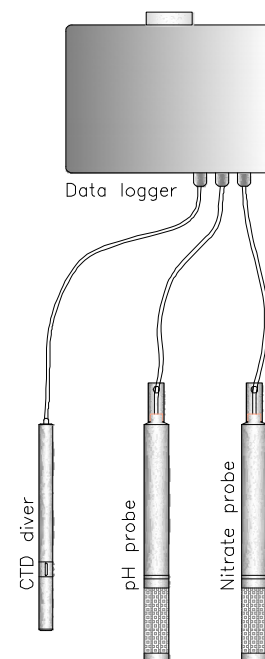


These easy to handle probes are available for the measurement of:

- CTD - conductivity, temperature, depth
- pH
- Redox
- DO - dissolved oxygen
- Nitrate
- Ammonia
- Chloride
- Water level
- Turbidity

Your advantages at a glance

- Integrated signal amplifier
- Easy installation
- Analog output
- Directly connectable with different types of data logger
- Wide voltage range for power supply
- Low power consumption
- Low cost maintenance
- Frequent and long-term measuring without human intervention
- Reliable and accurate measurement data
- Easy calibration



–Example for instrumentation–



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Submersible measuring Probes with integrated signal amplifier

CTD probe (conductivity, temperature, depth) with signal amplifier



- Relative pressure sensor, range: 0 - 10 m (other ranges on request)
- Conductivity sensor, range 0 - 20 mS/cm (other ranges on request)
- Temperature sensor 2 °C ... + 60 °C
- Analog signal output for CTD
- Power supply: 4.5 - 12 VDC
- Probe cable with air compensation tube
- Diameter: 22 mm, length 320 mm

pH / redox probe with signal amplifier



- pH-sensor with ceramic diaphragm **or** redox sensor with PT cup
- pH range 1 ... 14, redox range - 2,000 ... + 2,000 mV
- Measuring amplifier installed in the casing
- Analog signal output and RS 485 output
- Power supply: 5 - 14 DC
- Length: 435 mm
- Casing diameter: 40 mm

DO probe (dissolved oxygen) with signal amplifier



- DO sensor, Clark electrode
- Range 0 - 20 mg/l
- Measuring amplifier installed in the casing
- Analog output and digital output RS 485
- Power supply: 5 - 14 DC
- Length: 435 mm
- Casing diameter: 40 mm

Nitrate, ammonia, chloride probe with signal amplifier



- Measuring probe for nitrate **or** ammonia **or** chloride
- Type: ion selective
- Range for nitrate: 0.68 ... 68,000 mg/l (5 decades)
- Range for ammonia 0.18 ... 18,000 mg/l (5 decades)
- Range for chloride 0.35 ... 35,000 mg/l (5 decades)
- Measuring amplifier installed in the casing
- Analog output and digital output RS 485
- Power supply: 5 - 14 DC, Ø casing: 40 mm, length: approx. 435 mm

Water level probe with signal amplifier



- Relative pressure sensor, range: 0 - 10 m (other ranges on request)
- Option: temperature sensor 2 °C ... +60 °C
- Analog signal output
- Power supply: 4.5 - 6.5 VDC (12 V power supply on request)
- Probe cable with air compensation tube
- Diameter: 22 mm, length 150 mm

Modifications contributing to technical progress are subject to change without notice!



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