



Non-contact, bubbler sensor for longterm surface water level monitoring

- Application Eaux de surface, Débitmétrie
- Measurement range Bubbler-in
- Product Highlights Drift-free water level measurement - no pressure sensor or electronics in the water
- Rango de medición 0 to 15 m or 0 to 30 m
- Accuracy \pm 3 mm (high accuracy version); \pm 5 mm (standard and 30 meter versions)
- Internal data logger 1
- Interface SDI-12, RS-485 (using SDI-12), or 4 ... 20 mA

The OTT CBS is a compact, accurate, and low power bubbler sensor for surface water level monitoring. The OTT CBS meets or exceeds USGS standards for accuracy, and will not drift over time. It features outputs for SDI-12 and 4...20 mA.













Water level measurement

Measuring range	
Version "Standard" and "USGS	0 15 m (050 ft)
specification"	
Version "30 m measuring range"	0 30 m (0100 ft)
Resolution	1 mm (0.01 ft)
Accuracy	
Version "Standard" and "30m	±5 mm
measuring range"	
Version "USGS specification"	0 15 ft: ±0.01 %
	15 50 ft: ±0.065 % of measurement value or 0.02 ft, whichever
	is less
Units	m, ft, bar, PSI

Electrical data	
Interfaces	4 20 mA, SDI-12, SDI-12 via RS-485
Power supply	10 30 V DC, typ. 12/24 V DC

Current consumption	
Measuring interval 1 min	typ. 320 mAh/day
Measuring interval 15min	typ. 25 mAh/day

Housing material ABS	
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Dimensions L x W x H	165 mm x 205 mm x 115 mm	
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approx. 1.500 a

Protection class	IP43
Environmental conditions	
Operating temperature	-20 +60 °C
Storage temperature	- 40 +85 °C
Relativ air humidity	10 95 %; not condensing

Measuring tube	inner diameter typ. 2 mm or 4 mm

EMV - limit values	According to IEC61326 and EN61326
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