

Technical data

Sensor Technology

Bubble sensor,
indirect pressure measurement

Measuring ranges

- Standard version + USGS Specification:
0 ... 15 m (0... 50 ft)
- Measuring range 30 m version:
0 ... 30 m (0... 100 ft)

Resolution

1 mm (0.01 ft)

Accuracy

- Standard version +
Measuring range 30 m version: ± 5 mm
USGS Specification version*:
measuring range 0 ... 15 ft: ± 0.01 ft;
measuring range 15 ... 50 ft:
 ± 0.065 % of measured value or
 ± 0.02 ft, whichever is less

Measuring dynamics (max. level change)

1 m/min

Units

m, cm, ft, mbar, psi

Interfaces

4 ... 20 mA, SDI-12, SDI-12 via RS-485

Power supply

9.6 ... 30 V DC, typ. 12/24 V DC

Power consumption

- Sample interval 1 min: typ. 320 mAh/day
- Sample interval 15 min: typ. 25 mAh/day

Measuring tube

Inner diameter typ. 2 or 4 mm

Dimensions

165 mm x 205 mm x 115 mm

Weight

approx. 1500 g

Housing material

ABS

Protection type

IP 43

Temperature range

- Operational: -20 ... $+60$ °C
- Storage: -40 ... $+85$ °C

Relative humidity

10 ... 95 % non-condensing

EMC limits

IEC61326 and EN61326 are adhered to



Order numbers

- OTT CBS: 63.200.001.9.2
- Coding Standard: 1
- Coding USGS-Specification: 2
Coding Measuring range 30 m: 3

*The OTT CBS with increased accuracy requires regular calibration.