



## 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

OTT HydroMet announces the launch of the OTT CBS 500, the next generation of its proven bubbler-based water level sensor. Building on decades of field-proven performance, the CBS 500 retains the trusted measurement principle, pump, and valve system of the legacy OTT CBS, ensuring full continuity in operation and methodology.

# Technical Data

OTT CBS 500 – Compact Bubbler Sensor



## Water level measurement

### Measuring range

Version "Standard" and "USGS specification"	0 ... 15 m (0...50 ft)
Version "30 m measuring range"	0 ... 30 m (0...100 ft)
Resolution	1 mm (0.01 ft)
Accuracy	
Version "Standard" and "30m measuring range"	±5 mm
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

### Dimensions L x W x H

165 mm x 205 mm x 115 mm

### Weight

approx. 1,500 g

### 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