

## Technical data

### Flow velocity measurement

- Measuring range: -10 m/s ... +10 m/s
- Accuracy: 1% of meas. value  $\pm 5$  mm/s
- Resolution: 1 mm/s
- Measurmt. averaging time: 1 s ... 3600 s

Number of measuring cells  
9

### Cell size / Blanking

- 600 kHz: 2 ... 10 m/0.5 ... 30 m
- 1.0 MHz: 1 ... 4 m/0.3 ... 15 m
- 2.0 MHz: 0.2 ... 2 m/0.1 ... 8 m

### Beam angle /Max. profiling range\*

- 600 kHz: 2.4°/80 m
- 1.0 MHz: 2.4°/25 m
- 2.0 MHz: 2.1°/10 m

### Supply voltage

12 ... 16 V DC, typ. 12 V

### Power consumption

50 ... 500 mW, depending on measurement interval

### Water level measurement (optional)

- Measuring range: 0.15 ... 10 m
- Accuracy:  $\pm 3$  mm
- Resolution: 1 mm
- Measurmt. averaging time: 1 s ... 3600 s

### Minimum water depth above instrument

0.15 m (water level option)

### Pressure cell (optional)

- Piezo-resistive
- Measuring range: 0 ... 10 m
- Accuracy:  $\pm 0.25$  % FS
- Resolution: 1 mm

### Internal memory

Capacity: 9 MB (non-volatile)

### Communication interfaces

- RS-232
- SDI-12 or SDI-12 via RS-485
- Modbus (optional)

### Maximum cable length

- RS422/485 max. 500 m (9600 Baud)
- RS232/SDI-12 max. 65 m (9600 Baud/1200 Baud)

### Environmental

- Operating temperature: -5 °C ... +35 °C
- Storage temperature: -40 °C ... +70 °C
- Protection class: IP68

### Dimensions

- Length: 45 ... 52.2 cm, depending on measuring frequency
- $\varnothing$ : 7.5 cm (cylindrical)

### Housing material

POM

### Plausibility check

Through status information

### SLD wall mount (accessory)

Bracket, protective cover, and C rail mount

- Material: Stainless steel
- Details on request

### Discharge calculation

Within the unit or externally on a data-logger, e.g. OTT netDL

### OTT SLD EasyUse

Installation and service software

- System setup
- Commissioning
- Reviewing and optimizing

### OTT Prodis 2 (accessory)

Calibration software including online help

- Determining correction factors (velocity-index method and others)
- Optimizing discharge calculation
- Managing stations

\*The beam angle is understood to be the measured angle with regard to the main axis. The maximum profiling range depends on the water profile, salinity, suspended matter content etc.