

Technical data

Water level measurement

- Measuring range: 0.4 ... 35 m
- Accuracy (SDI-12):
 - 0.4 ... 2.0 m: ± 10 mm;
 - 2.0 ... 30 m: ± 3 mm;
 - 30 ... 35 m: ± 10 mm
- Average temperature coefficient (range: $-20 \dots +60$ °C):
0.01 % full scale/10 K
- Accuracy (4 ... 20 mA):
 - ± 0.1 % full scale
 - Average temperature coefficient:
10 ppm full scale/°C (at 20 °C)
- Measuring time: 2...20 seconds;
factory setting: 20 seconds
- Beam angle of antenna
(width of beam): 12°
- Transmit frequency: 25.3 GHz

Electrical Data

- Power supply: 5.4 ... 28 V DC,
typically 12 / 24 V DC
- Power Consumption (at 12 V)
 - active: <15 mA
 - sleep: <0.05 mA

Interfaces

4 ... 20 mA; SDI-12; RS-485, two-wire
(SDI-12 protocol)

Dimensions and weight

- L x W x H: 222 mm x 152 mm x 190 mm
- Weight (including mounting):
approx. 2.1 kg

Operational environment

- Operating temperature: $-40 \dots +60$ °C
- Storage temperature: $-40 \dots +85$ °C
- Relative humidity: 0 ... 100 %

Materials

- Housing: ASA (UV-stabilized ABS)
- Radom (front plate): TFM PTFE
- Mounting: 1,4301 (V2A)

Rotation range of swivel mount

- Lateral axis: $\pm 90^\circ$
- Longitudinal axis: $\pm 15^\circ$

Cable gland sealing range

- With inlet (min. \varnothing ... max. \varnothing):
4.0 ... 7.0 mm
- Without inlet (min. \varnothing ... max. \varnothing):
7.0 ... 11.0 mm

Connection capacity of screw terminal strip

- Solid conductor: 0.25 ... 2.5 mm²
(AWG 24 to 12)
- Wire with end sleeve and plastic collar:
0.25 ... 1.5 mm²

Type of protection

With horizontal mounting IP67 (submersion depth max. 1 m; submersion duration max. 48 h)

EMV limits and radio approvals

- Safety of equipment of low voltage device: EN 62368-1:2014 + AC:2015
- Radio approval for low power radio devices*; Europe RED ETSI EN 302 729
- FCC Version: Radio approval for low power radio devices*; USA FCC 47 CFR Part 15

* Short Range Device (SRD)