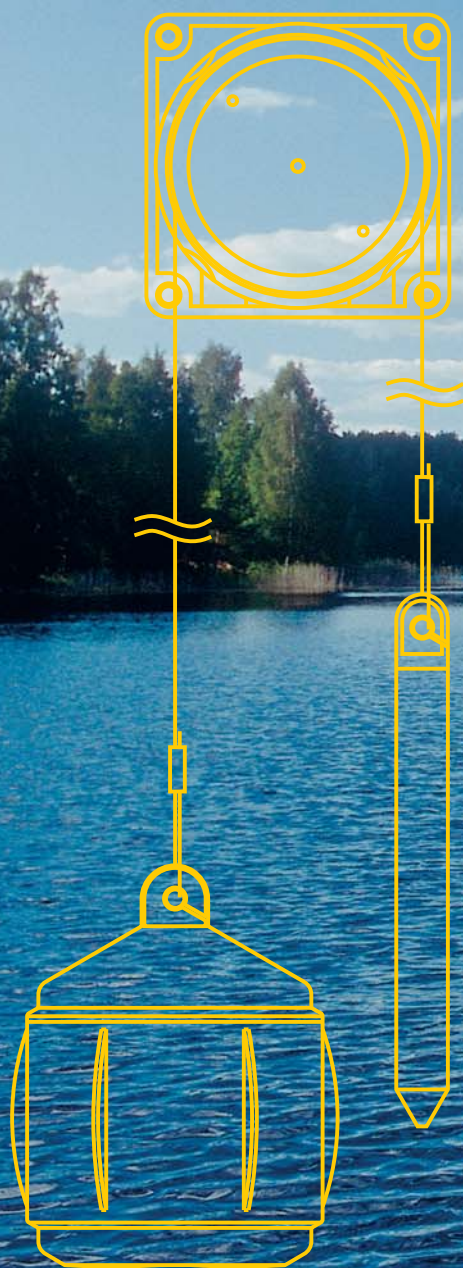




OTT SE 200

Shaft Encoder for continuous measurement of water level



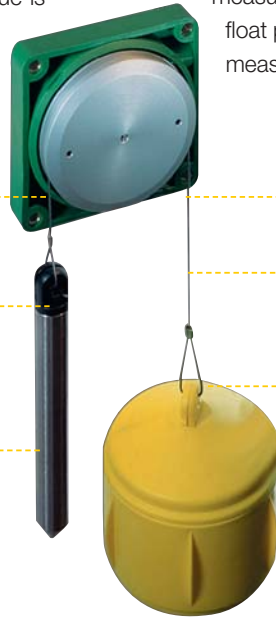
SE 200 – Precise Water Level Measurement

The float-operated Shaft Encoder SE 200 was developed on the basis of the proven OTT Thalimedes for continuous measurement of water level.

A float-cable-counterweight system translates the water level change to the float pulley of the sensor. The rotation caused by this is converted into an electrical signal. A measured value is being calculated via the internal processing and is available via the interfaces **SDI-12** and **4...20 mA**.

The measuring principle features especially high accuracy and resolution. The well-known drift-free float principle with variable output signal is suitable for connection to **external data loggers** or **SPS systems**.

The SE 200 can be programmed via serial SDI-12 interface: measuring range, output range 4...20 mA, output format, float pulley circumference can be optimally adjusted to the measuring task.



Simple system integration
with standard signal 4 ... 20 mA

4 ... 20 mA
Output range can be allocated to a certain measuring range*

SDI-12
Adjustable* cm/mm or ft output

Optional flooding protection

Variable
Float cable or beaded cable

Absolute shaft encoder
Measuring range -30 m ... +30 m

Technical Data

Measuring range	±30 m	Power supply	9 ... 30 V
Available interfaces	SDI-12 or 4 ... 20 mA	Temperature range	-20 ... +70 °C
Resolution	adjustable:	Relative humidity	10 ... 95 %
SDI-12	0.01 or 0.001 m	Dimensions (L x W x H)	82 mm x 82 mm x 34 mm
4 ... 20 mA*	0.1 % of measuring range	Circumference float pulley*	200 mm
Accuracy		Weight	250 g
SDI-12	±0.003 % of measuring range	Housing material	fibre glass reinforced plastics material
4 ... 20 mA*	±0.1 % of measuring range	Protection type	IP 54

* programmable via SDI-12 commands

OTT – Your partner for:

- Water level measurement in ground and surface water
- Discharge measurement
- Precipitation measurement
- Water quality measurement
- Data management and communication
- HydroService: consulting, training, installation and maintenance



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