

TurTle

Hydrostatic Pressure Transmitter

TurTle is a revolutionary pressure transmitter. TurTle is recognized by its robust design and is developed directly for the water and sewerage branches.

TurTle is a Danish developed and produced product, which complies with all specifications for electronics components that are placed in harsh environments.

TurTle's unique measurement cell can be separated from the rustproof sensor tube. In this way the measurement cell can be replaced without having to replace the entire electrical installation, or in the case of a damaged cable, the measurement cell can be reused in a sensor tube. TurTle's range of measurement is adjustable via a DIP switch on the rear of the measurement cell. TurTle can measure in 3 ranges, 0-3m, 0-5m or 0-10m, all with 4-20mA output signal. It is furthermore possible to zero-calibrate the measurement cell by using a DIP switch.

TurTle can be delivered with three standard cable lengths, 10m, 15m or 30m. TurTle is not EX-classified and must therefore not be installed in EX areas.



Technical specifications

Length	235mm
Largest diameter	50mm
Weight	1300g with 10m cable and measuring cell
Wire connection	Red = Supply, Green = Signal, Black = Screen
Cable length	10m, 15m or 30m.
Free fall drop	30 cm
Enclosure class	IP68
Power Supply	24V DC (10V DC – 28V DC)
Max. overpressure	6 bar
Measuring range	0-3m, 0-5m or 0-10m in the same sensor head
Measurement signal	4-20 mA
Measurement principle	Ceramic capacitive
Accuracy	Better than 0,25% of FS
Long-term stability	Better than 0,5% of FS per year

Sensor head	Impact resistant PP (Fiberglass 30%)
Cable housing	AISI 304
Cable clamp	TPU
Cable material	PUR
Operating temperature	-20°C to +85°C
Certificates	CE

Applications

- Pumping stations
- Sewage treatment plants
- Stormflow
- Level monitoring
- Rivers or streams
- Reservoir and tanks

Products

Item number	Description
1772-2202010	TurTle level sensor.
1772-2201010	Sensor housing for measuring cell with 10m PUR cable.
1772-2201015	Sensor housing for measuring cell with 15m PUR cable.
1772-2201030	Sensor housing for measuring cell with 30m PUR cable.