

EWS VENTED LEVEL SENSOR

Environmental Sensor



Overview

The EWS Vented Water Level Sensor is ideal for monitoring water level and temperature in groundwater, surface water, and oceanographic applications. Stainless or tantalum construction options allows for use in harsh water quality environments while the Modbus 485 protocol allows cable lengths up to 1000m. Any sensor-depth range and cable length combination is available providing versatility to suit diverse site specific conditions. The highly accurate and stable sensor offers a robust, reliable and cost-effective level monitoring solution and pairs perfectly with the EWS Switch device.

Features

- ✔ Tantalum or Stainless Steel 316 construction.
- ✔ Vented for automatic atmospheric pressure compensation.
- ✔ Modbus 485 protocol.
- ✔ Custom pressure ranges.
- ✔ Custom cable lengths.
- ✔ Highly accurate.
- ✔ Proven long-term stability.
- ✔ Precision temperature compensation.

Benefits

- ✔ Cost-effective and reliable sensor for level monitoring applications.
- ✔ No proprietary plugs or connectors required.
- ✔ Robust construction suited for harsh environments.
- ✔ Any depth range and cable length combination available to match specific requirements.
- ✔ Raw level and temperature output from sensor for transparency and easy trouble shooting.
- ✔ Site calibration using the EWS Switchcomm app.
- ✔ Pairs perfectly with the EWS Switch Device range.



SPECIFICATIONS

Specifications subject to change without notice.

OUTPUT

MODBUS 485 OR 4-20mA

LEVEL RANGE

CUSTOM RANGE UP TO 500M

OVERLOAD

150% OF SENSOR RANGE.

MEASURING MEDIUM

LIQUID

ACCURACY

±0.1%FS

STABILITY

±0.1%FS/YEAR

HOUSING MATERIAL

STAINLESS STEEL 316 OR TANTALUM

POWER SUPPLY

12V DC

AMBIENT TEMPERATURE

-20~85°C

PROCESS TEMPERATURE

-20~85°C

COMPENSATION TEMPERATURE

-20~85°C

PROTECTION CLASS

IP68