

Environmental Sensor

Overview

The EWSEC Sensor presents a cost-effective and reliable electrical conductivity and salinity sensor for water quality monitoring applications. The sensor utilises anti-polarization technology, internal signal isolation and offers strong anti-interference ability. The sensor provides accurate and stable readings with no maintenance required. The Modbus 485 protocol allow it to pair perfectly with the EWS Switch range and configuration is carried out before sending offering an easy to install plug and playsolution.

Features

- ✔ Titanium alloy electrode and Teflon Lining.
- ✔ Highly accurate.
- ✔ High stability.
- ✔ Electromagnetic isolation.
- ✔ Strong resistance to corrosion. Polarization resistance.
- ✔ High temperature resistance.
- ✔ Integral design without external transmitter.
- ✔ Modbus 485.

Benefits

- ✔ Cost-effective and reliable sensor for water quality monitoring applications.
- ✔ No proprietary plugs or connectors required.
- ✔ Robust construction suited for harsh environments.
- ✔ Custom range and cable length combination available to match specific requirements.
- ✔ Automatic temperature compensation.
- ✔ Pairs perfectly with the EWS Switch Device range.



SPECIFICATIONS

Specifications subject to change without notice.

OUTPUT

MODBUS 485 OR 4-20mA

RANGE

CUSTOM RANGES BETWEEN 0-300ms/cm

TEMP COMPENSATION

AUTOMATIC

MEASURING MEDIUM

WATER

ACCURACY

±1%

STABILITY

±0.3%FS/24HR

HOUSING MATERIAL

TITANIUM ALLOY AND TEFLON LINING

POWER SUPPLY

7-30V DC

AMBIENT TEMPERATURE

-20~80°C

PROCESS TEMPERATURE

-20~80°C

RESPONSE TIME

1S

PROTECTION CLASS

IP68