

# EWS pH SENSOR

## Environmental Sensor



### Overview

The EWS pH Sensor presents a cost-effective and reliable sensor for continuous water quality monitoring applications. The sensor is simple to calibrate with no special tool required. utilises anti-polarization technology, internal signal isolation and offers strong anti-interference ability. The sensor provides accurate and stable readings, connects to the EWS Switch device range using Modbus 485 protocol and comes pre-configured, providing an easy to install plug and play solution.

### Features

- ✓ Solid Glass / platinum electrode material.
- ✓ Modbus 485 protocol.
- ✓ Integral temperature element.
- ✓ Double junction and long diffusion path for reference pollution resistance.
- ✓ Polymerized electrolyte and porous PTFW diaphragm.
- ✓ Extended sensor life.
- ✓ Custom cable lengths.

### Benefits

- ✓ Cost-effective and reliable sensor for level monitoring applications.
- ✓ No proprietary plugs or connectors required.
- ✓ Robust construction suited for harsh environments.
- ✓ Any cable length available to match specific requirements.
- ✓ 27mm fits inside most standard bores.
- ✓ Easy calibration with no special tool required.
- ✓ Pairs perfectly with the EWS Switch Device range.



# SPECIFICATIONS

*Specifications subject to change without notice.*

## OUTPUT

MODBUS 485 OR 4-20mA

## RANGE

0-14pH

## CALIBRATION CYCLE

6 MONTH - CLEAN WATER  
~3 MONTH - POLLUTED WATER

## MEASURING MEDIUM

WATER

## ACCURACY

±0.01pH

## STABILITY

±0.1%FS/YEAR

## RESOLUTION

0.1pH

## POWER SUPPLY

7-30V DC

## AMBIENT TEMPERATURE

-20~80°C

## DIMENSIONS

27MMDIAMETER X 155MM LONG

## MEASUREMENT PRINCIPLE

ELECTROCHEMICAL

## PROTECTION CLASS

IP68