



# S400 Series

pH and redox sensors for the process industries

The S400 sensors have been designed for rugged service in submersion or inline process applications. The reference cell features a double junction design for extended service life in harsh applications. The high quality sensors are constructed of corrosion resistant wetted materials including Ryton®, Teflon® and glass. They can be supplied with built in temperature compensation and a solution ground connection.

## Sensor Tip Options

### Coaxial Teflon Reference

Designed to withstand tough industrial applications. Best overall performance with rugged dome bulb.

### Flat pH Bulb Self Cleaning

Designed for obstructionless contact with the sample stream for self cleaning service and for use with a spraywash system. Features coaxial porous teflon junction.

### Dual Ceramic Pin Junction

For use in highly alkaline processes. Best choice for use at high pressures.

## Features

- ◆ Choice of body styles
- ◆ Can be used with virtually any pH meter
- ◆ Competitive price
- ◆ Choice of temperature compensators
- ◆ Optional built in solution ground
- ◆ Sealed double junction reference
- ◆ 0.75" or 1" Male NPT threaded connection
- ◆ Wide range of mounting options
- ◆ Moulded from chemical resistant Ryton®



## Technical specifications

<b>pH range</b>	0 - 14 pH
<b>Redox range</b>	± 5000 mV
<b>Temperature range</b>	0 - 105°C
<b>Maximum pressure</b>	10 bar at 100°C
<b>Glass</b>	HT-3 standard, HT-4 high pH available (above 13 pH)
<b>Temperature sensor</b>	Standard Pt1000*
<b>Wetted materials pH</b>	Ryton, PTFE or ceramic & glass
<b>Wetted materials</b>	Redox Ryton, PTFE or ceramic & platinum
<b>Standard cable length</b>	6 metres with ferrule connections*

Note: Temperature, pressure & solution composition will influence the life expectancy of the measurement sensor.

\*Other variants available. Please contact our sales department for details.

# S500 Series

pH sensors



This sensor can be used with MXD73/75 Analyser on page 6 and BXD17 Analyser on page 10