



CHEMICAL SUPPORT SYSTEMS

DESIGN / ENGINEER / MANUFACTURE / INSTALL

pH sensor with Temperature

Our pH sensor utilises the very latest and best technology available in the world today for measuring the online pH of any aqueous solution. They are combination glass electrodes with integral reference, automatic temperature compensation, solid polymeric junction, which use no reagents, are extremely stable, reduced maintenance and reduced whole life costs.

- Up to 3 years continuous operation
- 1 year warranty
- Stable and reliable – excellent process control
- Suitable for all potable and process waters
- Suitable for very low conductivity waters
- Integral temperature compensation
- Suitable for use in Autoflush

To be used in combination with CSS Analyser



The electrodes used in the pH sensor are patented and have a large area electromechanically active solid polymer junction. This innovative design makes the electrodes more responsive and with a longer life than ordinary electrodes.

Anywhere you have a requirement to measure pH is a suitable application for the pH sensor. It is particularly suited to working in sites where reliability and ease of use are most important. One area that it excels is in the measurement of pH in very low of ultra clean water.

Specification

pH electrodes

Type

Combined reference and measuring electrode

Reference type

Patented electromechanically active solid polymer junction

pH range

0 – 14

Slope

95-102%

Pressure range

0 – 10 Bar

Long Term Stability (drift)

<0.01 pH/Hour

Reproducibility

<0.01 pH

Impedance

pH glass <200MΩ

Solid state

<200 kΩ

Response Time

95% of step pH2 to pH12 <5s

Temperature range

0 - 100°C

Wetted Surface

pH glass – red polymer – PVDF body – Viton O-rings

Cable

Low noise coaxial + 4 wires

Cable length – 6m

Shelf life

12 months

ATC

PT100

Estimated life

36 months application dependent

Warranty

1 year