



CHEMICAL SUPPORT SYSTEMS

DESIGN / ENGINEER / MANUFACTURE / INSTALL

ORP Sensor

Our ORP Sensor utilises the very latest and best technology available in the world today for measuring the online Redox potential of any aqueous solution. They are platinum ball based sensors with integral reference electrodes which use no reagents, are extremely stable, require 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
- Suitable for use in Autoflush

To be used in combination
with CSS Analyser



The electrodes used in the ORP sensor are filled with a polymeric gel. This innovative design makes the electrodes more responsive and with a longer life than ordinary electrodes. Although they command a higher price in the marketplace these sensors are more than cost effective with their longer life and considerable lower maintenance requirements.

Anywhere you have a requirement to measure ORP is a suitable application for the ORP sensor. It is particularly suited to working in sites where reliability and ease of use are most important.

Can be installed in a variety of auxiliary flow cells and self-cleaning devices.

Specification

ORP electrodes

Type

Platinum ball

Reference type

Solid State, non porous Ag/AgCl

ORP range

-1999 to 1999mV

Slope

95-102%

Pressure range

0 – 10 Bar

Long Term Stability (drift)

<0.1mV/Hour

Reproducibility

<0.01 mV

Response Time

95% of step <5s

Temperature range

0 - 100°C

Wetted Surface

PVDF/Glass/Pt ring/Viton O-rings

Cable length

6m

Shelf life

12 months

ATC

None

Estimated life

36 months application dependent

Length

145mm (5.7")

Diameter

26.5mm (1.04")

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