

New CHEMX3 line for electrochemical measurement



Industrial epoxy body pH and ORP electrodes

This new line of electrodes has been designed to provide a cost effective solution for in line or submersion measurement of pH and ORP in a wide range of applications.

Single and double versions are available as well as models with flat glass for easier cleaning.

Flat versions are suitable for abrasive or viscous liquids and are particularly indicated for applications with dirty liquids for their self-cleaning and abrasion-free operation.

Main Features

- pH and ORP versions
- Bulb or Flat Glass
- Single or double junction technology
- Easy and quick installation system
- BNC connector
- Versions with or without ATC (Automatic Temperature Compensation)
- Special versions on request

Main Technical Data

Range: 0 – 14 pH
 Working temperature: 0 to 65°C (-32 to 149°F)
 Max. Working Pressure: 7,5 bar (100 psi)
 Process Connection: threaded nipple 1/2" or 3/4"
 Wetted materials:
 - epoxy
 - silicone
 - pH glass
 O-Ring: Buna-N

Flat surface, self-cleaning pH and ORP electrodes

This is the rugged version of the traditional flat electrodes with an improved self-cleaning effect.

Installation and maintenance are easy due to the quick disconnect BNC connectors. Built into the electrode's body is a sealed, gel-filled double junction reference design. This design provides an extra barrier against reference side contamination and allows the electrodes to be used in severe applications prolonging electrode life. The pH-responsive flat glass surface is placed in the center of the measuring surface and surrounded by the flat porous plastic reference junction providing an excellent sample contact.

A wide range of installation accessories allows in line, submersion or hot tap installation.



Main Features

- pH and ORP versions
- Flat electrodes
- Double junction technology
- In line, submersion or hot tap installation
- BNC connector
- Versions with or without ATC (Automatic Temperature Compensation)
- Special versions on request

Main Technical Data

Range: 0 – 14 pH
 Working temperature: 0 to 100°C (-32 to 148°F)
 Max. Working pressure:
 7,5 bar (100 psi) @ 75°C (167°F)
 6,0 bar (87 psi) @ 81°C (178°F)
 3,7 bar (54 psi) @ 100°C (212°F)
 Wetted materials:
 - C-PVC
 - porous HDPE
 - pH-glass
 O-Ring: FPM (Viton)



Epoxy Body Conductivity Sensors

The new CHEMX3 line also offers epoxy body sensors with graphite or high resolution platinum electrodes. Due to platinum electrodes and ATC elements these new sensors provide accurate and high resolution measurement. They can be used for both laboratory and industrial applications. Three cell constants are available depending on the operating range required.

Main Features

- Graphite or Platinum electrodes
- Suitable for laboratory, industrial or portable applications
- In line and submersion installation
- ATC (Automatic Temperature Compensation) elements

Main Technical Data

Cell constants: 0.01, 1.0 and 10 cm⁻¹
 Body material: epoxy
 Max. working temperature: 80°C (176°F)
 Max. working pressure: 6 bar (87 psi)