

12mm pH and ORP Electrodes

SE14 Series combination laboratory electrodes featuring epoxy body and screw on glass protector

- Rugged epoxy body
- Screw on protector cap protects glass bulb and may be removed for cleaning
- Reference junction uses *POLARIS* technology.
- Standard 12mm body is ideal for laboratory or installation into process using 12mm adapter
- 1, 5 or 10 metre low noise RG174/U cable supplied standard with BNC connector

Specifications

pH range: 0 to 14 pH
Temp range: 0 to 60°C
Cable length: 1, 5 or 10 metres
Connector: BNC
Reference cell: 4M KCl / sat.AgCl
Wetted material: Epoxy & glass (and platinum (ORP))
Pressure: Not suitable for pressurised applications

Order codes:

pH electrodes:

With 1 metre cable: P-PHSE141MBN
With 5 meter cable: P-PHSE145MBN
With 10 metre cable: P-PHSE1410MBN

ORP electrodes:

With 1 metre cable: P-ORSE141MBN
With 5 metre cable: P-ORSE145MBN
With 10 metre cable: P-ORSE1410MBN
Other cable lengths and connectors available to order.

Accessories:

pH Calibration Solutions

4.00 buffer 500ml: PHBUF-4.00-0.5L
7.00 buffer 500mls: PHBUF-7.00-0.5L
10.00 buffer 1 litre: PHBUF-10.00-0.5L

Optional BNC to bootlace connection adapter

Part No: P-BNC/BP-100



SE14 bulb membrane electrode shown full size



This SE14 series pH and ORP (redox) electrodes are built to a high quality standard and are surprisingly economical.

The rugged epoxy body electrode is ideal for general laboratory and industrial applications. The electrode features a screw on protector cap, which protects the electrode tip from damage and allows the electrode tip to be exposed for cleaning.

The SE14 features the *POLARIS* technology to enhance the efficiency and longevity of the electrode.

The standard 12mm diameter electrode body is universally used in laboratories.

A selection of glass bodied and industrial threaded electrodes are available to suit a wide variety of pH and ORP measurement applications.

What is *POLARIS*?

POLARIS is a high porosity polymer material which, when used as a pH electrode reference junction, provides a superior amount of surface area that will not clog quickly from process particulates.

The high porosity of the *POLARIS* junction allows ion diffusion to be very constant in processes containing high particle concentrations. The honeycomb configuration of this material combined with the tortuous path throughout *POLARIS* allows for normal migration of ions but not process contaminants.

Processes with hydrocarbons or organics become less challenging and these electrodes last longer, requiring less maintenance and fewer replacement costs.

PHSE14-2.3-0

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