

COMBINATION pH ELECTRODE TYPE: EPS-1

The **EPS-1** combination glass electrode is designed for pH measurements in liquids containing acids and alkalis in range 0 to 14 pH. It may be used for measurements in clear liquids.

The **EPS-1** electrode is distinguished by low impedance, short stabilisation period, linearity at the measurement range extremes and long usage period of the electrolyte in the reference electrode. The electrolyte in the reference electrode is saturated KCl water solution, which is refillable. The glass, round membrane does not require activation in a container with distilled water or KCl, because it is equipped with a bottle filled with KCl put on its end and took off before the measurement. Such solution makes the electrode permanently activated and prolongs its life time. A special sealing ring protects from the electrolyte leakage from the bottle. The ring is tightened by screwing the cap. The BNC50 connector enables cooperation with majority of available pH meters.



TECHNICAL DATA

Electrode type	EPS-1
Body material	glass
Range	0 ÷ 14 pH
Working temperature range	0 ÷ 70 °C
Zero point	7,0 ± 0,3 pH
Diaphragma type / membrane	Ceramic / glass
Electrolyte	saturated KCl
Refillable	yes
Impedance	< 120 MΩ (25 °C)
Connector	BNC-50
Cable length	1 m
Size	L=140mm, φ=12mm

ELMETRON Sp. j.

41-814 Zabrze . Witosza 10 POLAND

tel. +48 32 / 2738106 fax +48 32 / 2738114

www.elmetron.com.pl e-mail: info@elmetron.com.pl