

## COMBINATION pH ELECTRODE EPS-2B

The **EPS-2B** combination glass electrode is designed for pH measurements in liquids with small to medium deposits content in the range 0 to 14 pH.

**Working temperature: up to 120°C.**

This electrode is designed for cooperation with immersion heads to which it is screwed in.

The **EPS-2** electrode is distinguished by short stabilisation period and linearity at the ends of measurement range.

The gel electrolyte is not refillable, but sufficient for all the exploitation period and facilitates working.

The ceramic electrolytical diaphragm is placed at the bottom of the electrode and it enables the contact between the measured solution and the electrolyte.

The electrode is equipped with a glass, hemispheric membrane.

The reference half cell is separated by an internal electrolytical diaphragm, what creates the ionic barrier. It prevents the silver ions from diffusion to the reference half cell, what in turn limits the chance of clogging of the ceramic diaphragm and interference of the sulfide and cyanide ions from the measured solution. It also limits the interference of the reducing agents such as amines, buffers containing TRIS, sulfites, etc. To keep the electrode permanently activated, it is equipped with a bottle filled with saturated KCl put on its end, which should be taken off before the measurement. Such solution prolongs the electrode's life time. A special sealing ring protects from the electrolyte leakage from the bottle. The ring is tightened by screwing the cap.

High quality for affordable price.

### TECHNICAL DATA

<b>Range</b>	0 ÷ 14 pH
<b>Working temperature range</b>	0 ÷ 120 °C (140 °C in steam)
<b>Zero point</b>	7.0 ± 0.4 pH
<b>Diaphragm type / membrane</b>	ceramic / glass
<b>Electrolyte</b>	gel saturated KCl
<b>Impedance</b>	< 300 MΩ (25 °C)
<b>Body diameter</b>	12 mm ± 0,5 mm
<b>Length without cap</b>	140 mm ± 5 mm
<b>Pressure</b>	6 bar (25 °C)
<b>Minimal immersion level</b>	30 mm
<b>Maximal immersion level</b>	105 mm
<b>Body material</b>	glass
<b>Connector</b>	RCA with M16 thread



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