

COMBINATION pH ELECTRODE EPX-4 / EPX-4U

The combination glass electrodes **EPX-4** and **EPX-4U** are used for pH measurements in co-operation with pH meters equipped with BNC connector they may be also used for continuous measurements in flow in pipelines with use of, offered by us, GXP-2t flow head.

The **EPX-4U** model may be used for measurements in deionised, pure and ultra pure water. Teflon junction limits the penetration of the measured solution into the electrode and ensures a good contact with the measured sample what results in accurate and stable measurements even in ultra pure water. There is no need to add anything to the samples to obtain stable readout of the results.

The **EPX-4** model is designed for measurements in liquids containing strong acids or alkalis, may be used in chemical wastes.

The electrodes may work in liquids with temperatures up to 90°C. The measuring membrane is a round glass bulb. Electrolyte is in a gel form and it isn't refillable. Standard length of the cable is 1m.

In case of using the electrode with our industrial meters and controllers it is connected with use of a cable with a pre-amplifier in case of work with meters of 801 or 804 series. In case of pH meter CP-421 the pre-amplifier needs to be used in case of 10m or greater distance between the electrode and the meter.

TECHNICAL DATA

Type of the electrode	EPX-4 / EPX-4U
Body	glass
Measuring range	0 ÷ 14 pH
Working temperature range	0 ÷ 90 °C
Maximal pressure of liquid	3 bar
Type of junction / membrane	Teflon / round glass bulb
Electrolyte	Gel – saturated KCl
Refilling	No
Impedance	< 120 MΩ (25 °C)
Connector	BNC
Dimensions (mm)	L = 155 , φ = 12

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