

COMBINATION ELECTRODE EPX-3

The **EPX-3** combination electrode is designed for pH measurements on flat humid surfaces of materials like: paper, cardboard, finished leather, skin, fabrics, agar nutrients and also for measurements in water solutions of small volumes.

The electrode has a flat membrane and Teflon o-ring junction placed on 1 plane. The body material is made of perspex (epoxy) resistant to breakage, aggressive substances and many organic solvents.

The electrolyte is not refillable what makes using the electrode easier. High viscosity of the electrolyte prolongs the electrode's lifetime.

The electrode is equipped with a glass test-tube of adjusted shape and size, enabling measurements in samples of small volume (above 0.1 ml). **EPX-3** is also delivered with special elastic pad for measurements of very thin materials and protecting the membrane against mechanical damages.

To keep the membrane active on the electrode bottle (or wetting cap) is placed what ensures the optimal conditions for electrode storing and continuous readiness for work.

TECHNICAL DATA

Measuring range	2 ÷ 12 pH
Working temperature range	5 ÷ 60 °C
Impedance (at 25°C)	≤ 500 MΩ
Zero point	7.0 ± 0.5 pH
Electrolyte	3.3 M KCl gel, Ag/AgCl
Body diameter	12.0 ± 0.5 mm
Length (without cable socket)	110 ± 5 mm
Minimal immersion level	1 mm
Maximal immersion level	100 mm
Minimal volume of the sample in special test-tube	0.1 ml
Membrane shape	flat
Diaphragme material	Teflon o-ring
Body material	perspex
Socket material	polypropylene
Test-tube material	glass
Pad material	silicone rubber
Cable length	about 1 m
Connector	BNC-50



ELMETRON Sp. j.

41-814 Zabrze. Witosa 10 POLAND

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

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