

ORP/REDOX ELECTRODE ERS-2B

The **ERS-2B** electrode is designed for measuring oxidation-reduction potential (ORP, redox) in water solutions. It includes measuring half-cell in a shape of a spiral, platinum wire at the electrode's end and chloride/silver reference half-cell of a constant potential. The electrode is equipped with a ceramic electrolytical junction placed in its glass body. Its construction enables easy cleaning of the platinum electrode.

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

A typical usage of the **ERS-2B** electrode is: controlling the process of the oxidation-reduction reactions in swimming pools, in the process of chemical and biological purification of industrial and domestic waste water, controlling the fermentation processes, etc. Examples: oxidation of cyanide with chlorine or hypochlorite and reduction of chromates to chromium ions in sewage created in galvanisation processes or surface metalworking.

TECHNICAL DATA

Measuring range	± 2000 mV
Temperature range	0 ÷ 80°C
Measuring half-cell	platinum
Reference solution	3.5 M KCl + AgCl
Electrolyte junction	ceramic, single
Body diameter	12.0 ± 0.5 mm
Body length (without cable socket)	140 mm
Minimal immersion depth	30 mm
Maximal immersion depth	120 mm
Body material	glass
Connector	RCA with M16 thread



ELMETRON[®] Sp. j.
41-814 Zabrze, Witosa 10 POLAND
tel. +48 32 / 2738106 fax +48 32 / 2738114
www.elmetron.pl e-mail: info@elmetron.com.pl