REDOX COMBINATION ELECTRODE IJ64D

The **IJ64D** electrode has an unique, specific construction which enables measurements of the redox potential (ORP) in heavily polluted solutions or semi-solid substances without the threat of clogging the junction.
The electrode ensures a stable measurements in liquids where other electrodes loose their efficiency. The basic condition of long lasting and trouble free work is systematic maintenance of the electrode.
The measuring element of this electrode is made of platinum plate placed on its end.
The construction of this electrode is quite unique, precisely fitted plastic sleeve put on the glass stem creates an intermediate junction and ensures a good contact between the measured solution and the electrolyte. The sleeve protects the internal junction against clogging, what is a standard problem with most of the standard electrodes.
Periodically, averagely once a month the sleeve has to be taken off the glass stem, all old electrolyte has to be washed out from the stem, sleeve and the annular space and new one has to be poured in.
The plastic body limits the risk of breaking the electrode.
Plastic sleeve which protects the junction is an integral part of the electrode. It is impossible to use the electrode without the sleeve. The sleeve may be exchanged and it's kind depends on the type of the measured sample.
When properly handled, the electrode's lifetime is longer than the standard electrodes.
The average lifetime 2 to 4 years.

TECHNICAL DATA

mV range	± 2000 mV
Measuring electrode	platinum plate
Electrolyte	3 M KCl gel
Temperature range	0 ÷ 60 °C
Body diameter	12 mm
Electrode length without cable cap	120 mm
Minimal immersion	20 mm
Maximal immersion	100 mm
Body and sleeve material	polypropylene
Cable length	about 1 m
Connector	BNC-50

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