

REDOX (mV) HEAD GR-105k

The measuring head **GR-105k** is designed for co-operation with pH meters of **105** series.

GR-105k measuring head is designed for redox, (mV / ORP) measurements in water solutions. The electrode consists of measuring and reference half-cells. The measuring part is a platinum wire spiral placed at the end of the electrode, its potential depends on the oxidation - reduction balance in the measured solution.

The reference part is Ag/AgCl in KCl solution saturated with silver chloride. A contact with the sample is ensured by a ceramic diaphragm (junction).

The glass body is equipped with a hole for refilling.

The typical fields in which the electrode is used are: controlling of the ORP in chemical or biological treatment of the municipal sewage and industrial waste, measurements of the surface water quality, fermentation processes, swimming pools etc..

TECHNICAL DATA

Range	± 2000 mV
Temperature range	5 ÷ 80 °C
Measuring half cell	Platinum
Reference half cell	Ag/AgCl
Reference solution	3.5 M KCl + AgCl
Diaphragm material	ceramic
Body diameter	12.0 ± 0.5 mm
Body length (without cable socket)	140 mm
Minimal depth of immersing	30 mm
Maximal depth of immersing	120 mm
Body material	glass
Cable length	about 1 m
Connector	specialised for meters of 105 series



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