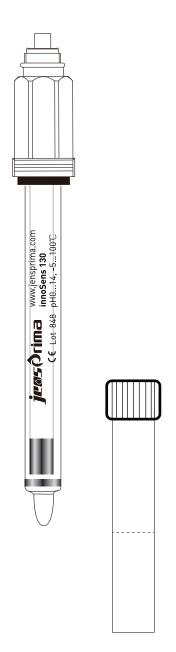
#### Instruction Manual

## innoSens 130

# pH-Electrode for high temperature and high pressure



# Technical Data Sheet

pH-Range: pH 0...14
Tenperature Range: -5...135℃
Max.workingpressure: 10 bar
Shaft Material: Glass
Electroyte: Polymer

Reference system:Ag/AgCl cartridgeDiaphragm:PTFE diaphragmsResistance: $\leq 300M\Omega$  at 25°C

Diameter: 12 mm
Length: 120 mm
Minimum immersion depth: 20 mm
Zero-Point: 0+/-20mV

Sensitivity: 57...59mV/pH at 25°C

Minimum conductivity of sample:  $50 \mu S/cm$ Reaction time: pH 4..7 < 30sconnect: PG13.5Cabel(optional): 5m

#### User manual electrodes

#### Electrode data at shipment

Test result are shown at the beginning of the German text



Complaints only with serial number and information about appeared error

#### **Storage**

- Upright in KCI with the connector head pointing upwards
- Temperature 10 to 30°C



Never store electrodes in deionized water, acids or lyes, this shortens the life time!

#### Installation

- Remove the protective cap
- For liquid-filled electrodes also remove the black cap from the side connector and connect the KCI storage vessel.

Make sure that the KCI level is always higher than the water level. Always use 3M KCI for refill.



Install sensors upright with the connector head pointing upwards.



Threads PG 13.5 should be tightened hand-tight only.

### Cable colors coding

Clear	рН
Shielding	Reference

### Cleaning

- Rinse off wipe off loosely adherent dirt with a wet tissue
- For tenacoius stains we recommend cleaning with diluted hydrochloric acid,organic pollutions can be removed with customarywashing detergents
- To clean stained, blocked, or discoloured junctions use commercial
- cleaning solutions such as thiourea in diluted hydrochloric acid. Ceramic junctions can be abraded carefully.
- Rinse the electrode after every cleaning and store pH-sensors after cleaning for several hours in 3M KCI.



pH membranes and metal electrodes must not be cleaned mechanicaly!



At re-installation calibration is necessary(except ORP electrodes)

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