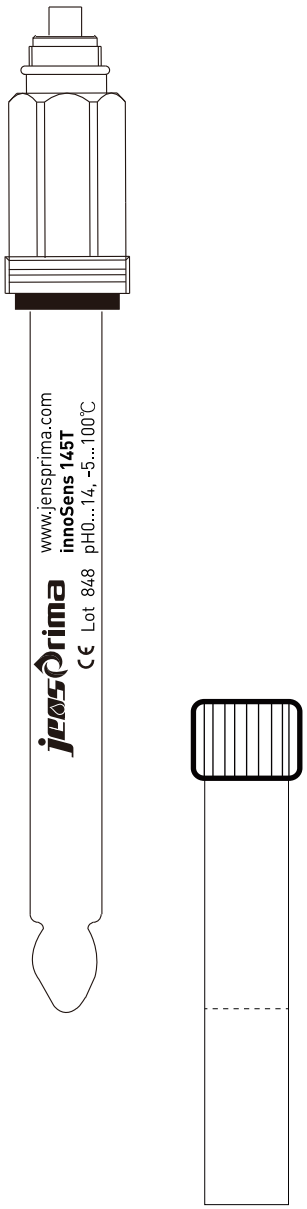
Instruction Manual

innoSens 145T
pH-Electrode for ultrapure water



Technical Data Sheet

pH-Range:	pH 0...14
Tenperature Range:	-5...100℃
Max.workingpressure:	6 bar
Shaft Material:	Glass
Electroyte:	Gel electrolyte
Reference system:	Ag/AgCl cartridge
Diaphragm:	3 ceramic diaphragms
Resistance:	≤300MΩ at 25℃
Diameter:	12 mm
Length:	120 mm
Temperature sensor:	PT 1000
Minimum immersion depth:	20 mm
Zero-Point:	0+/-20mV
Sensitivity:	57...59mV/pH at 25℃
Minimum conductivity of sample:	0.1 µS/cm
Reaction time:	pH 4..7 < 30s
connect:	PG13.5
Cabel:	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 KCl with the connector head pointing upwards
- Temperature 10 to 30℃

⚠ 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 KCl storage vessel.
  Make sure that the KCl level is always higher than the water level.
  Always use 3M KCl 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	pH
Shielding	Reference
Brown	PT1000(1)
White	PT1000(2)

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 KCl.

⚠ pH membranes and metal electrodes must not be cleaned mechanicaly!

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