

LabSen 333 Plastic Premium pH Electrode User Manual

LabSen electrochemical sensors are premium pH electrode with manufacturing technology and key components imported from Switzerland. LabSen333 plastic premium pH adopts Polymer solid electrolyte, pore without diaphragm. It is suitable for emulsion, suspension, effluent, samples containing protein and sulfide.

This probe has following features:

- Anti-corrosion POM (Polyoxymethylene) shaft, have good mechanical performance.
- Blue gel inner solution, does not flow and will not cause bubble.
- Intergrated ATC probe

1 Technical Data

Measuring Range	(0 ~ 14) pH	Electrolyte	Polymer
Temperature Range	(0 ~ 80) °C	Soaking Solution	3M KCl
Shaft Material	POM (Polyoxymethylene)	Temp. Sensor	NTC 30kΩ
Membrane Shape	Ball	Electrode Dimension	(Ø12×120) mm
Reference	Long Life	Connector	BNC/RCA
Junction	Pore without diaphragm	Cable	Ø5×1m

2 Usage and Maintenance

- 2.1 When measuring, please unscrew the bottle cap, pull out the electrode and rinse it with deionized water. After using, please put the electrode back into the bottle and screw tight the cap.
- 2.2 Polymer reference electrode is a kind of high quality reference electrode with the feature of non-diaphragm, hard to be contaminated, compression resistance and resistance to organic solution. It is almost suitable for all pH measurement solution such as solution containing fat, oils, sulfide and protein, effluent, weak ion solution, emulsion and suspension.
- 2.3 The connector of the electrode should be kept clean and dry. If being contaminated, please clean it with medical cotton and absolute alcohol and blow dry to prevent the short circuit of the electrode and slow reaction of electrode.
- 2.4 The electrode measuring tip should be soaked in the soaking bottle containing certain amount of storage solution to keep the membrane hydrated and junction unblocked. Clean the bottle and replace the storage solution if the storage solution gets turbid and mildewed. The electrode should never be sinked in pure water or buffer solution for long.
- 2.5 After long time exposure in air, Polymer electrolyte will cause shrinkage. It will not happen in measurement status. The electrode must be soaked in 3M KCl solution for storage. After long time soaking, there will be some floccules dissolving out from 3M KCl solution, this is normal phenomenon.
- 2.6 After 1-year of use, we recommend replacing the electrode to ensure the best accuracy.

3 Warranty

We warrant this electrode free from defects in material and workmanship and agrees to repair or replace free of charge, at option of APERA INSTRUMENTS any malfunctioned or damaged product attributable to responsibility of APERA INSTRUMENTS for a period of six months. Warranty period is the time limit to provide free service for the products purchased by customers, not the service life of the tester or electrodes.

This limited warranty does not cover any damages due to:

transportation; storage; improper use; failure to follow the product instructions or to perform any preventive maintenance; modifications; combination or use with any products, materials, processes, systems or other matter not provided or authorized in writing by us; unauthorized repair; normal wear and tear; or external causes such as accidents, abuse, or other actions or events beyond our reasonable control.

APERA INSTRUMENTS (Europe) GmbH

Address: Wilhelm-Muthmann-Str.18,

42329 Wuppertal, Germany

Phone: +49 202 51988998

Website: www.aperainst.de

Email: info@aperainst.de