

## LabSen 851-3 Viscous pH Electrode User Manual

LabSen electrochemical sensors are premium pH electrode with manufacturing technology and key components imported from Switzerland. LabSen851-3 is suitable for high viscous samples such as cosmetics, paint, resin and glue.

This probe has following features:

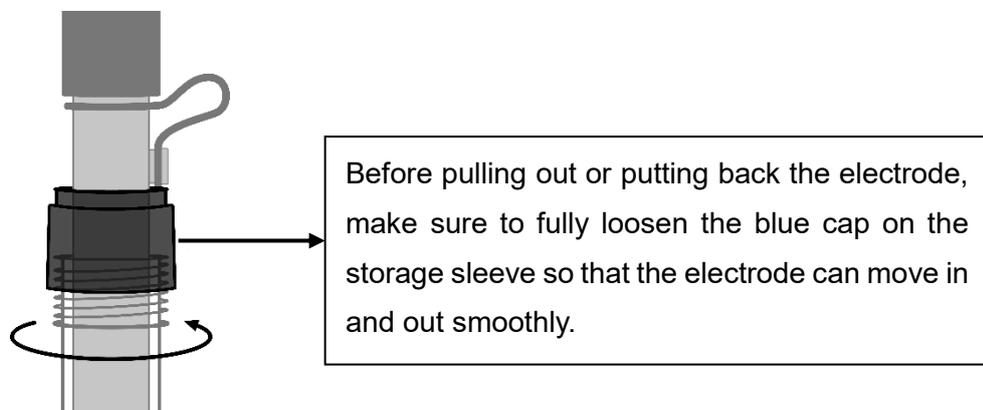
- Impact-resist membrane. here is no danger of electrode breakage during normal use.
- Pre-pressurized reference system: pressure is pre filled inside the electrode so that the electrolyte can continue to flow through the junction. Even if a high viscous solution is tested, the blockage of the junction can also be avoided.
- Silver ion trap reference prevents the contamination of the junction when testing sample contains sulfides and proteins.

### 1 Technical Data

Measuring Range	(0 ~ 14) pH	Electrolyte	Gel (pre pressurized)
Temperature Range	(0 ~ 130)°C	Soaking Solution	3M KCL
Shaft Material	Lead-free Glass	Electrode Dimension	(Ø12×120) mm
Membrane Shape	Half Ball	Connector	BNC
Reference	Silver Ion Trap	Cable	Ø3×1m
Junction	Ceramic		

### 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 The connector of the electrode should keep 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.

- 2.3 The electrode's 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.
- 2.4 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.

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