

Easy to use!

High Performance!

Great low price!

ATAGO®

Propylene Glycol Checker!!

Digital Hand-held "Pocket" Propylene Glycol Refractometer

PAL-88S, PAL-89S

Cat.No.4488,4489

Application

The "Pocket" Propylene Glycol Refractometers, PAL-88S, and PAL-89S, easily measures Propylene Glycol solutions and display the results digitally. The freezing point of the sample can also be measured and displayed.

Features

- Calibration with water only
- Measurement in 3 seconds
- Extremely water resistant (IP65)
- Light & Compact, 100g
- Ergonomically designed for easy, one-handed operation
- Convenient storage case
- Automatic Temperature Compensation (ATC)
- Designed with a strap holder option

Measuring Method



① Place the sample onto the prism surface.



② Press the START key.



③ The measurement value will be displayed in 3 seconds.



④ ***Secondary Scale:** Press the START key for 2 seconds while the concentration (%) is indicated, to display the freezing point (°C/°F).



Actual Size

Specifications

	PAL-88S	PAL-89S
Measurement range		
Concentration of Propylene Glycol *Main scale	0.0 to 90.0% (V/V)	0.0 to 90.0% (V/V)
Freezing point of Propylene Glycol *Secondary scale	0 to -50°C	32 to -60°F
Resolution		
Concentration of Propylene Glycol *Main scale	0.2% (V/V)	0.2% (V/V)
Freezing point of Propylene Glycol *Secondary scale	1°C	1°F
Measurement accuracy		
Concentration of Propylene Glycol *Main scale	±0.4% (V/V)	±0.4% (V/V)
Freezing point of Propylene Glycol *Secondary scale	±1°C	±1°F
Measurement temperature	10 to 40°C (Automatic Temperature Compensation)	50 to 104°F
Sample volume	0.3ml or more	
Measuring time	3 seconds	
International Protection Class	IP65 Water Resistant	
Power supply	2×AAA Batteries	
Battery life	Approx 11,000 measurements (When an alkaline battery is used)	
Dimensions and weight	55(W)×31(D)×109(H)mm, 100g (Main Unit only)	

All ATAGO refractometers are designed and manufactured in Japan.

HACCP GMP GLP

ATAGO products comply with HACCP, GMP, and GLP system standards.

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* Specifications and appearance are subject to change without notice.