

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.



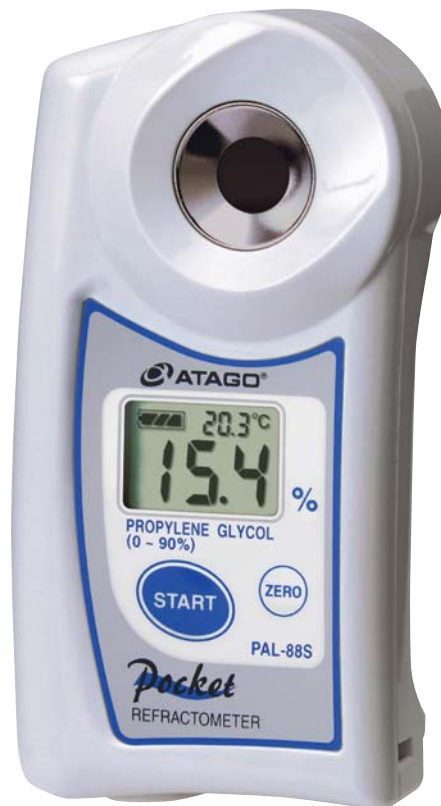
② Press the START key.



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.

* Specifications and appearance are subject to change without notice.

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