

Digital Hand-held "Pocket" Brix Refractometer

PAL-J

Cat.No.3831 (Japan model of PAL-3)

Measurement Range

Brix 0.0 to 93.0 %
Temperature 10 to 100°C

Resolution

Brix 0.1%
Temperature 0.1°C

Measurement Accuracy

Brix $\pm 0.2\%$
Temperature $\pm 1^\circ\text{C}$



Measurement Method



1 Apply 2-3 drops onto the prism surface.



2 Press the START key.



3 Brix (%) value and temperature displayed in 3 seconds!

Application

Specifications

Main Features



Waterproof. Always clean and shiny - can be cleaned under running water.

Revolutionary new External Light Interference (ELI) feature. When intense light penetrates the prism of a digital refractometer, the light waves interfere with the sensor resulting in inaccurate readings. The PAL series is equipped with ELI technology which will display the warning message "nnn" if the ambient light is too intense. If the warning message is displayed, simply turn away from the light source or shade the prism with your hand and press the START key again.



The innovative design makes it easy to pour out and remove a sample, but difficult to spill the sample.

Calibrate with water - no more standard solutions.

Light and Compact, 100 grams

Automatic Temperature Compensation (ATC)

Ergonomically designed for one-handed operation.

	PAL-J
At fruit and vegetable farming orchards	<input type="radio"/>
At beverage factories... fruit juices, coffee, soft drinks, etc. juice concentrates, etc.	<input type="radio"/>
At food factories... soy sauce, various sauces, etc. syrups, jellies, etc. seasoning, soups jams, marmalade, honey, etc. condensed milk, etc.	<input type="radio"/>
At fruit and vegetable markets or supermarkets	<input type="radio"/>
At restaurants or food shops	<input type="radio"/>
In Junior High, High Schools, or Universities as a course material	<input type="radio"/>

The PAL series can measure high temperature samples during the heating or cooking process (The measured Brix value will stabilize after taking a few repeated measurements.)

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

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Cat. No.	3831
Measurement Range	Brix 0.0 to 93.0% Temperature 9.0 to 99.9°C
Resolution	Brix 0.1% Temperature 0.1°C
Accuracy	Brix $\pm 0.2\%$ *Brix $\pm 0.1\%$ Temperature $\pm 1^\circ\text{C}$
Measurement Temperature	10 to 100°C Automatic Temperature Compensation (Boiled samples over 100°C can be measured under specific conditions. Please contact ATAGO for further details.)
Ambient Temperature	10 to 40°C
Power Supply	AAA alkaline battery $\times 2$
Battery Life	Approx. 11,000 measurements (When using new alkaline batteries)
International Protection Class	IP65 Water Resistant
Dimensions and Weight	55(W) \times 31(D) \times 109(H)mm, 100g (main unit only)

*Repeatability

All ATAGO refractometers are designed and manufactured in Japan.

ATAGO CO., LTD.

