## **The Next Generation of Digital Refractometers**

• Extremely water resistant (IP65)

Temperature display

ÎP65

TEM

Can be washed under running water

• Will float if accidentally dropped in water

• Ergonomically designed for one-handed operation

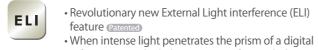
• The innovative design makes it easy to pour out and

remove a sample, but difficult to spill the sample.

Automatic Temperature Compensation (ATC)

Measurement temperature up to 100°C





refractometer, the light waves interfere with the sensor, which may lead to inaccurate measurements. To ensure accurate measurement results, the PAL is programmed with the ELI function which displays the [nnn] warning message when intense direct light is detected. Forming a habit of shading the sample stage with your hand and re-pressing the START key (when the warning message from the ELI function is displayed) will ensure accurate measurement results each time.

 Mode S: Mode S improves repeatability of samples that cause inconsistent readings.



Mode

S

#### **Optional** Part No. Part Name Sucrose Solutions Certification Custom concentrations are available RE-110010 ucrose Solutions (for Brix confirmation)10% (±0.03%) pon request. Accuracy and prices RE-110020 Sucrose Solutions (for Brix confirmation)20% (±0.03%) vill vary by concentration. In accordance with ISO Contact ATAGO for more details. RE-110030 Sucrose Solutions (for Brix confirmation)30% (±0.03%) Quality Management RE-110040 Sucrose Solutions (for Brix confirmation)40% (+0.04%) Warranty period for these solutions Systems, ATAGO can RE-110050 Sucrose Solutions (for Brix confirmation)50% (±0.05%) calibrate and certify your RE-110060 Sucrose Solutions (for Brix confirmation)60% (±0.05%) Digital Hand-Held "Pocket" MAGIC<sup>™</sup> RE-39409 PAL-CASE Refractometer. his adaptor is used for a hot sample o cool it down quickly or to RE-39410 PAL-STRAP The following imize evaporation. RE-39446 MAGIC<sup>1</sup> documents RE-39412 Small Volume Sample Adapter for PAL will be issued Small Volume Sample Adapter for PAL (for a service 0.0% 20. RE-39413 PAL Silicone Cove ne of sample. Place directly on th 1st free): 2nd 3rd Calibration Certificate Traceability System Diagram Traceability Certificate

#### APAL Silicone Cover

APAL-CASE



APAL-STRAP

## **PAL** commitment

#### A new ergonomic design for comfort and ease of use!

In pursuit of an "easy to use", "easy to operate" and ergonomic architecture of new instruments, ATAGO has achieved a "palmfitting" masterpiece as well as unit that is high in hygienic properties. By reducing the number of unnecessary assembly parts, we have reduced the risks of a germ reproductive environment. Through our efforts to produce a hygienic instrument to be used in any industry, these units are designed to be completely washable. The new PAL series has been approved by the HACCP, and are equipped with the new ELI feature, which ensures accurate measurements - even outdoors Requests from our customers worldwide are reflected in the development of the new PAL units.

#### Sample Stage

The SUS sample stage allows for the sample temperature to conform quickly and evenly to the prism temperature for accurate measurements.

#### START Key

Conveniently located for single hand operation.



# **Measurement Method** Apply 2-3 drops on the prism surface.



Dimension

#### Application examples Measureme range Measureme Accuracy Resolution Measureme temperatur Ambient temperatu Power supply Internationa protection class





Chemicals and Medicir

ติดต่อ บริษัท นี้โอนิคส์ จำกัด Tel: 061-8268939, 098-3852385



ATAG

TART

20 3

EFRACTOMETER PAL

(ZERO)

# "Pocket" Refractometers PA Series

#### Prism

Made of highly durable optical glass to prevent scratching.

#### Liquid Crystal Display (LCD)

Digital measurement values are large and easy to read. Displays battery indicator and temperature.

#### **ZERO Key**

For Zero Setting, place water on the prism and press.

#### **Strap Holder**

Suitable for wrist straps or lanyards.



#### **Specifications**

PAL-1 Cat.No.3810	PAL-2 Cat.No.3820	PAL-3 Cat.No.3830	PAL-S Cat.No.3860	PAL-22S Cat.No.4422	PAL-39S Cat.No.4439
Brix 0.0 to 53.0%	Brix 45.0 to 93.0%	Brix 0.0 to 93.0%	Brix 0.0 to 93.0%	Honey moisture 12.0 to 30.0 %	Hydrogen peroxide 0.0 to 50.0%
Brix ±0.2%		Brix ±0.1%	Brix ±0.2%	Honey moisture ±0.2 %	Hydrogen peroxide ±0.6%
Brix 0.1%				Honey moisture 0.1 %	Hydrogen peroxide 0.2%
10 to 100°C (ATC) (Hot samples over 100° C can be measured under specified conditions. Please contact ATAGO for further details.)					
10 to 40°C					
2×AAA Batteries					
IP65 Water resistant					
5.5×3.1×10.9cm, 100g					