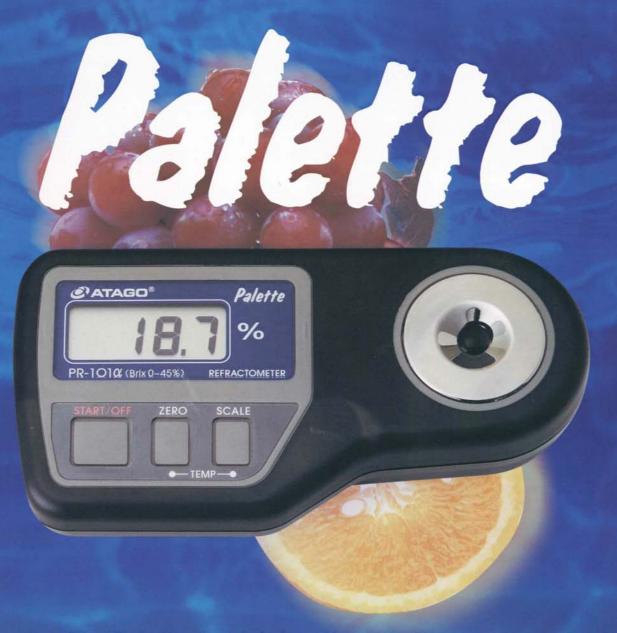
**Digital Refractometer (Optical Refraction Method) Palette Series** 



## The Palette $\alpha$ - high functionality in a compact size body

- ±0.1% (Brix) accuracy.
- Programmable user scales enable control of various liquid concentrations.



PR-32α Cat.No.3405

PR-101α Gat.No.3442

PR-201α Cat.No.3452

PR-301α Cat.No.3462



# The continuing evolution of the Palette — The Debut of the Palette $\alpha$

The Palette  $\alpha$  series is the ultimate compact instrument which is the result of years of proven reliable performance, ease of operation and the functionality of design.



## \* External Light Interference (E.L.I.) - Patent Pending

When intense light penetrates the prism of a digital refractometer, the light waves may interfere with the sensor resulting in inaccurate readings.

To ensure accurate measurement results each time, the Palette  $\alpha$  is programmed with the E.L.I. function to display the warning message "nnn" when intense direct light is detected. Forming a habit of shading the sample stage with your hand and re-pressing the START/OFF Switch (when the warning message from the E.L.I. function is displayed) will ensure accurate measurement results each time.



Measurement

Method





Apply 1 drop of sample solution onto the prism surface.

Press the START/OFF Switch.

3 seconds!

## **Main Features**

## Accuracy improved to ±0.1%

NEWI

The conventional measurement accuracy, ±0.2%, is increased to ±0.1%. The highest accuracy available in a compact model.

Drop!

3 seconds!

## External-light-Interference (E.L.I.)\*

)\* {NEW

Conventionally, digital optical instruments have the potential to display incorrect measurement values if sampling is performed near a window or outdoors where lighting may be too intense. The new E.L.I. technology provides security under these conditions to ensure accurate measurements.

#### Convenient temperature display

NEW

A temperature display function has been added.

The temperature is displayed by simply pressing a switch.

#### User scale feature

NEW

The user scale function has been added. Concentrations of various samples can be displayed by setting up a coefficient. Three separate user scales can be entered.

#### Two-year warranty



ATAGO has extended the warranty term for the Palette  $\alpha$  series to 2 years. For the terms and conditions, contact ATAGO.

## Automatic Temperature Compensation (ATC) function

With ATC, there is no need to worry about the measurement temperature.

#### Large, easy to read display

The large-sized liquid crystal panel makes it easy to read the measured result.

## **Main Applications**

		PR-32α	PR-101α	PR-201α	PR-301a
At fruit and vegetable farming orchards		0	0		
At beverage factories	···fruit juices, coffee, soft drinks, etc.	ffee, soft drinks, etc.		1	
	juice concentrates, etc			0	0
At food factories	soy sauce, various sauces, etc.		0	0	
	syrups, jellies, etc.			0	0
	seasoning, soups		0	0	
	jams, marmalade, honey, etc.			0	0
	condensed milk, etc			0	0
At fruit and vegetable markets or supermarkets		0	0		
At restaurants or food shops		0	0	0	0
In Junior High, High Schools, or Universities as a course material		0	0	0	0

	PR-32α	PR-101α	PR-201α	PR-301α		
Cat.No.	3405	3442	3452	3462		
Measurement Range	Brix0.0~32.0%	Brix0.0~45.0%	Brix0.0-60.0%	Brix45.0-90.0%		
Minimum Indication	Brix 0.1%					
Measurement Accuracy	Brix ±0.1% (5-40°C)		Brix ±0.1% (10~40°C)	Brix ±0.1% (10-30°C		
Measurement Temperature	5-40°C Automatic Temperature Compensation		10~40°C Automatic Temperature Compensation			
Ambient Temperature	5-40°C		10~40°C			
Sample Volume	0.1ml or more					
Measurement Time	3 seconds (approximately)					
Power Supply	006P dry battery (9V)					
International Protection Class	IP64					
Dimensions and Weight	17 (W) × 9 (D) × 4 (H) cm, 300g					

#### Certification

In accordance with ISO Quality Management Systems, ATAGO can provide calibration and certification for any ATAGO refractometer. The following documents will be issued (for a service

- 1.Calibration Certificate
- 2. Traceability System Diagram
- 3. Traceability Certificate



## Digital Salt Meter ES-421

Measurement Range: 0.00 to 10.0% (100g) of salt

concentration

Minimum Indication: 0.01% for salt concentration

of 0.00 to 2.99%

0.1% for salt concentration of

3.0 to 10.0%

Measurement Accuracy: Displayed value ± 0.05% (for

salt concentration of 0.00 to

1.00%)

Relative precision ± less than 5% (for salt concentration of

1.00 to 10.0%)

Power Supply: 006P dry battery (9V)

Dimensions and Weight:  $17(W) \times 9(D) \times 4(H)$  cm, 300g



**Measurement Salt %** 

#### EXPLANATION OF ICONS

lcons for functions, specifications and scales have been added to this catalog.

Compact and easy to carry



- Compact and easy to carry
   Portable
   Leicht und einfach zu tragen
   Calbrazione von liquidi standard eschaivi
   Compact oy fácil de llevar
   概写稿於價衡



- •Calibration with water •Calibration I point\* sur eau distillée •Kalibrierung mit Wasser •Calibrazione con acqua •Calibración con agua •周大殿孝



- Calibration with exclusive standard liquid
   Calibration 1 point our solution standard
   Kalibrierung mit speciellem Standard
   Calibration 1 point sur solution standard
   Calibration 1 point sur solution standard
   Calibration compatrones liquidos especiales
   使用專屬標準接起等



- · Battery operated

- Alimentation par pile
   Batteriebetrieben
   Alimentazione a batteria
- Funcionamiento con batería
   使用電池操作



- •Digital display
- · Affichage numérique
- Digital Anzeige
  Display digitale
  Pantalla digital
- \*数字顯示



- Automatic temperature compensation
  Compensation automatique de température
  Automatische Temperaturkompensation
  Compensation automatica della temperatura
  Compensación de automática de temperatura
- 自動選定納信



- · External Light Interference



\* Specifications and design are subject to change without notice



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