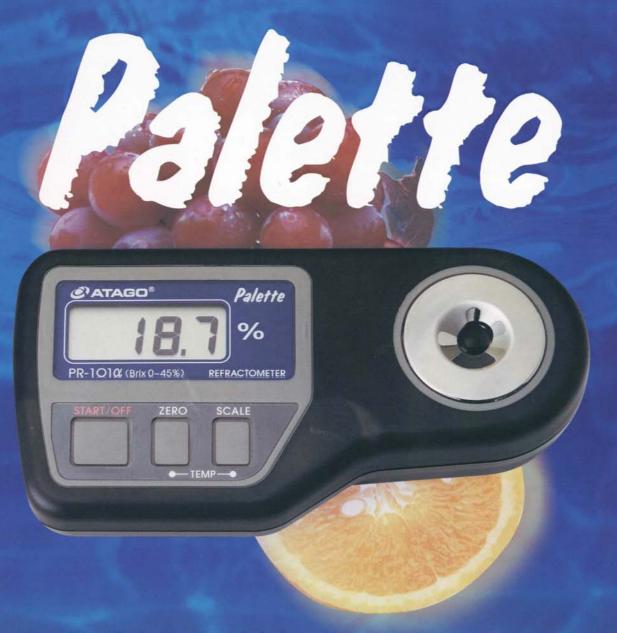
Digital Refractometer (Optical Refraction Method) Palette Series



The Palette α - 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

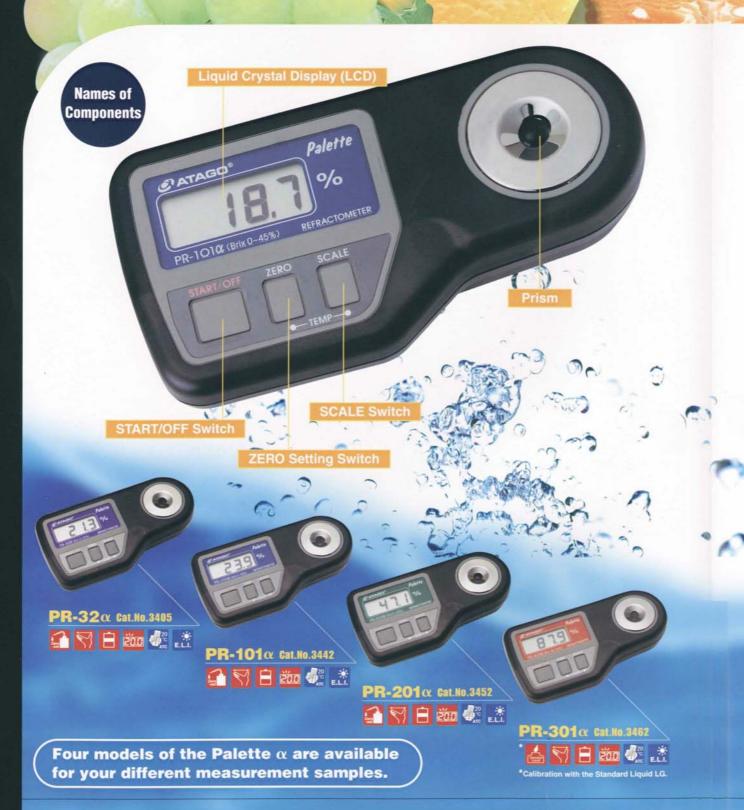
PR-201α Cat.No.3452

PR-301α Cat.No.3462



The continuing evolution of the Palette — The Debut of the Palette α

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



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 α 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.

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



1 Drop!

3 seconds

Measurement

Method



Apply 1 drop of sample solution onto the prism surface.

Press the START/OFF Switch.

Brix (%) value displayed in 3 seconds!

Main Features

Accuracy improved to ±0.1%

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

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

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

A temperature display function has been added. The temperature is displayed by simply pressing a switch.

User scale feature

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

temperature.

The warranty term was one year, but it extended to two years for Palette α under some conditions: Ask ATAGO for detailed terms and conditions.

Automatic Temperature Compensation (ATC) function

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

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-301α
At fruit and vegetable farming orchards	0	0	Tar.	
At beverage factoriesfruit juices, coffee, soft drinks, etc.	0	0 0		
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	1000		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 mate	erial O	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 to10.0%)

Power Supply: 006P dry battery (9V)

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



Measurement Salt %

EXPLANATION OF ICONS

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

- Compact and easy to carry
- Portable
 Portable
 Portable
 Leicht und einfach zu tragen
 Calibrazione con liquidi standard esclusivi
 Compacto y fácil de llevar
 輕巧易於攜帶



- *Calibration with water
- *Calibration 1 point* sur eau distillée *Kalibrierung mit Wasser *Calibrazione con acqua
- *Calibración con agua *用水銅零



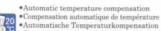
- * Calibration with exclusive standard liquid
- Canibration Wine excusive Standard Equino Calibration I point sur solution standard Kalibrierung mit speziellem Standard Calibration I point sur solution standard Calibration con patrones liquidos especiales 使用專屬標準機能等



- * Battery operated
- * Alimentation par pile * Batteriebetrieben
- * Alimentazione a batteria
- *使用電池操作



- *Digital display
- *Affichage numérique *Digital Anzeige *Display digitale
- *Pantalla digital





- *Compensazione automatica della temperatura
- Compensación de automática de temperatura
 自動選度補償



- * External Light Interference
- Interférence de la lumière externe
 Äußere Lichteinflüsse
 Interferenza della luce esterna
 Luz de Interferencia Externa
- * 外部光線干涉



* Specifications and design are subject to change without notice.



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