

# DIGITAL BUTYRO REFRACTOMETER

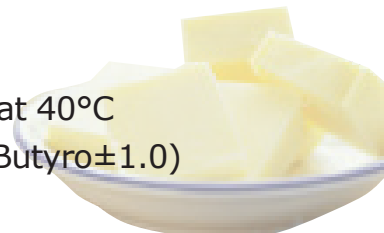
# PAL-BUTYRO

Cat.No.4515

New ATAGO Digital Model PAL-BUTYRO perfect for Butter, Ghee & Edible Oil industry for checking purity / adulteration.

## Features

- Calibration with Standard liquid
- Large, easy to read display
- External Light Interference (ELI)\*
- Display of both Butyro & RI scale
- Temperature Compensated Scale at 40°C
- Automatic & Accurate (Accuracy : Butyro±1.0)



Dual scale of Butyro & Refractive Index !



## Specifications

Measurement Range (Automatic Temperature Compensation)	Butyro 30.0 to 90.0	RI 1.4450 to 1.4850 (Converted at 40°C)
Minimum Indication	Butyro 0.1	RI 0.0001
Measurement Accuracy	Butyro ±1.0	RI ±0.0005
Measurement Temperature	10 to 50°C (Automatic Temperature Compensation)	
Ambient Temperature	10 to 40°C	
Sample Volume	0.3 mL or more	
Measurement Time	3 seconds (approximately)	
Power Supply	006P dry battery (9V)	
International Protection Class	IP 65 Water Resistant	
Dimensions and Weight	55(W)×31(D)×109(H)mm, 100g (Main unit only)	

### \*External Light Interference (ELI)

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 PR-BUTYRO is programmed with the ELI 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 ELI function is displayed) will ensure accurate measurement results each time.

All ATAGO products are designed and manufactured in Japan.

**ATAGO CO., LTD.**

<https://www.atago.net/> [overseas@atago.net](mailto:overseas@atago.net)

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**HACCP GMP GLP**

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

- ATAGO U.S.A., Inc.
- ATAGO INDIA Instruments Pvt. Ltd.
- ATAGO THAILAND Co., Ltd.
- ATAGO BRASIL Ltda.
- ATAGO ITALIA s.r.l.
- ATAGO CHINA Guangzhou Co., Ltd.
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\* Specifications and appearance are subject to change without notice.

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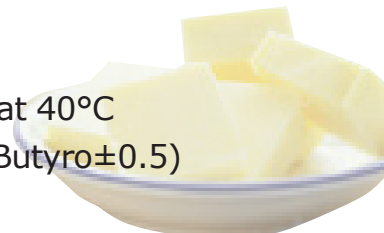
# PR-BUTYRO

Cat.No.3454

New ATAGO Digital Model PR-BUTYRO perfect for Butter, Ghee & Edible Oil industry for checking purity / adulteration.

## Features

- Calibration with Standard liquid
- Large, easy to read display
- External Light Interference (ELI)\*
- Display of both Butyro & RI scale
- Temperature Compensated Scale at 40°C
- Automatic & Accurate (Accuracy : Butyro±0.5)



## Specifications

Measurement Range (Automatic Temperature Compensation)	Butyro 30.0 to 90.0 RI 1.4450 to 1.4850 (Converted at 40°C)
Minimum Indication	Butyro 0.1 RI 0.0001
Measurement Accuracy	Butyro ±0.5 (at 40°C) RI ±0.0003 (at 40°C)
Measurement Temperature	10 to 50°C (Automatic Temperature Compensation)
Ambient Temperature	10 to 40°C
Sample Volume	0.1ml or more
Measurement Time	3 seconds (approximately)
Power Supply	006P dry battery (9V)
International Protection Class	IP 65 Water Resistant
Dimensions and Weight	17(W)×9(D)×4(H)cm, 300g (Main unit only)

### \*External Light Interference (ELI)

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 PR-BUTYRO is programmed with the ELI 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 ELI function is displayed) will ensure accurate measurement results each time.

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