

PAL-COFFEE

Digital Hand-held "Pocket" Refractometer

3 Characteristics

1. Able to measure and manage even the slightest differences in concentration.

Displays results up to the 2nd decimal.

A high measurement resolution (to the 2nd decimal—0.01%) allows for control of even the slightest differences in the concentration of coffee.



2. Stable and reliable measurements even from freshly brewed, hot coffee.

Automatically detects temperature stability.

Placing samples of hot coffee on other refractometers means waiting quite a while for stable measurement results. The PAL-COFFEE can automatically detect temperature stability and display stable, reliable measurement results.



3. Hygienic design—can be fully washed under running water.

The unit can be cleaned and washed with

Unlike other refractometers, the PAL-COFFEE is extremely water resistant and can be cleaned under running water. The unit conforms to IP65 guidelines, which allows for simple and thorough hygienic maintenance.



Features and Design



GOOD DESIGN

Prism

Made of durable, scratch-resistant optical glass. Be sure to clean the prism regularly to ensure accurate measurements.

LCD

A highly visible, clear, easy to read display. Both temperature and remaining battery charge are displayed.

START button

Simply press the START button to take measurements.

Battery compartment

The unit only requires 2 X AAA batteries. Place and remove batteries from here.

Sample stage

Place samples on the stage for measurement. The sample stage is durable and able to measure high-temperature liquid samples (up to 100°C).

ZERO button

Simply place tap water or distilled water on the prism and press the ZERO button to calibrate.

Lanyard hole

Affix your favorite lanyard or strap for easy, convenient carrying.



Specifications

Model	PAL-COFFEE (BX/TDS)
Cat.No.	4533
Scale	Brix TDS Temperature
Measurement Range	Brix : 0.00 to 25.00% TDS : 0.00 to 22.00% Temperature : 10.0 to 100°C
Resolution	Brix : 0.01% TDS : 0.01% Temperature : 0.1°C
Measurement Accuracy	Brix : ±0.10% TDS : ±0.15% Temperature : ±1°C
Temperature compensation range	10 to 100°C
Ambient Temperature	10 to 40°C
Sample Volume	At least 0.3ml
Measurement Time	Approx. 5 seconds 120 seconds of continuous measurement
Power Supply	Two (2) AAA alkaline batteries
Battery Life	Approx. 11,000 times measurement (when alkaline batteries are used)
International Protection Class	IP65 Dust-tight and Protected against water jets
Dimensions & Weight	55(W) x 31(D) x 109(H)mm, 100g (main unit only)

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