

Atago PAL-S Digital High Repeatability Refractometer (0-93 Brix)

With improved multiple reading method and averaging for highly accurate



Features:

- Multiple measurements of the same sample taking from 5 to 15 seconds to get an accurate average measurement
- Featuring MAGIC adaptor for cooling a hot sample and minimizing evaporation (included)
- Simple 3 step test procedure:
 - Place sample on prism
 - Place the provided MAGIC adaptor on top
 - Press the start key
- Ideal for fatty or dark sample analysis

Refractometers have traditionally been a prism and a lens with a sample between the two using ambient light to determine a result. Anyone who has used this method knows the results can be less than perfect and less than repeatable. This new age of refractometer technology has provided an answer to the repeatability and accuracy problems.

The PAL-S refractometer is designed to perform multiple measurements on a single sample and display the average of the results. This is great for testing traditionally difficult samples such as milk, ice cream, yogurt and soymilk.

With the added bonus of the MAGIC adaptor piece the sample is contained and cooled to provide even more accurate results. This refractometer requires no external prism and is designed to be hand-held and easy to use with only 2 buttons (start, zero).

Applications:

- Yogurt
- Ice Cream
- Condensed milk
- Milk
- Soymilk
- Dark samples

Specifications

- Measurement Range:
 - Brix: 0.0 to 93.0% (automatic temperature compensation)
 - Temperature: 9.0 to 99.9°C
- Resolution:
 - Brix: 0.1%
 - Temperature: 0.1°C
- Measurement Accuracy:
 - Brix: $\pm 0.2\%$
 - Temperature: $\pm 1^\circ\text{C}$
- Measurement Temperature: 10 to 100°C
- Ambient Temperature: 10 to 40°C
- Sample: at least 0.3ml
- Measurement Time: 60 seconds of continuous measurement after 5 to 15 seconds of analysis
- Power Supply: 2 x AAA alkaline batteries
- Battery Life: Approximately 1,500 measurements (60 seconds of continuous measurement after 5 to 15 seconds of analysis)
- International Protection Class: IP65 Water Resistant
- Dimensions: 55(W) x 31(D) x 109(H)mm
- Weight: 100g (main unit only)

Unit Ship Weight: 1.5 lbs