

PAL Pocket Digital Refractometer (Atago)



It is compact in size, allowing for portability and use indoors or outdoors. Weighing only 3 1/2 ounces (100g), it can be placed in a pocket or hung from your neck or belt. Measurements can be made easily while holding it in just one hand. The sample stage is designed to keep sample solutions from spilling out. A convenient feature is that the “zero-setting”(calibration) can be done with water. To operate simply put a drop of a sample on the prism surface and press the START key. The brix value (sugar content/concentration) will be displayed in just 3 seconds. With a digital LCD display you can precisely record the measurement value without any operator interpretation, as with traditional analog refractometers. With its wide measurement range the PAL-1 model can measure almost any fruit juice, food, or drink, such as soup, sauce, ketchup, tomato sauce, low-sugar jam or marmalade, the PAL-2 can test jelly, honey or concentrated juice, and the PAL-alpha measures most any sample at a reasonable price. The Automatic Temperature Compensation function (ATC) enables you to take measurement readings regardless of the ambient temperature The PAL has an international protection rating of IP65 – you can rinse off the sample by running water on the sample stage. The design allows the user to easily wipe off the sample.

Specifications

Model	PAL-1	PAL-2	PAL-alpha
Measurement range, brix	0.0 to 53%	45.0 to 93.0%	0.0 to 85%
Resolution, brix	0.1%	0.1%	0.1%
Measurement accuracy, brix	± 0.2%	± 0.2%	± 0.2%
Measurement temperature	10 to 100°C (Automatic Temperature Compensation)	10 to 100°C (Automatic Temperature Compensation)	10 to 100°C (Automatic Temperature Compensation)
Ambient temperature	10 to 40°C	10 to 40°C	10 to 40°C
Sample volume	0.3 mL	0.3 mL	0.3 mL
Measurement time	3 seconds	3 seconds	3 seconds

Power supply	(2) AAA Batteries	(2) AAA Batteries	(2) AAA Batteries
Dimensions, in/mm	2.2 x 1.2 x 4.3 / 55 x 31 x 109	2.2 x 1.2 x 4.3 / 55 x 31 x 109	2.2 x 1.2 x 4.3 / 55 x 31 x 109
Weight, oz/gram	3.5/100	3.5/100	3.5/100
Warranty	One year (does not include prism)	One year (does not include prism)	One year (does not include prism)

Description/Item No.	Details	Your Cost/Qty	Purchase
PAL Pocket Digital Refractometer 3025-95	PAL-1 refractometer	<p>List Price \$349.20/EA</p> <p>Buy 1 + \$331.74/EA (5% off) (5% off)</p> <p>Buy 2 + \$314.28/EA (10% off) (10% off)</p>	
PAL Pocket Digital Refractometer 3025-97	PAL-2 refractometer	<p>List Price \$390.69/EA</p> <p>Buy 1 + \$371.16/EA (5% off) (5% off)</p> <p>Buy 2 + \$351.62/EA (10% off) (10% off)</p>	
PAL Pocket Digital Refractometer 3025-98	PAL-alpha refractometer	<p>List Price \$514.92/EA</p> <p>Buy 1 + \$489.17/EA (5% off) (5% off)</p> <p>Buy 2 + \$463.43/EA (10% off) (10% off)</p>	