

Refractometers

Portable Digital, PAL-series



Lightweight, compact, robust, digital refractometers providing accurate measurements and convenient use.

- ◆ Only 0.3ml of sample required
- ◆ Rapid reading, within 3 seconds from activating the start key
- ◆ IP65 class casing and sealed prism allow easy cleaning under running water
- ◆ LCD readout with battery level indicator
- ◆ Automatic temperature compensation
- ◆ Measure high temperature samples (reading stabilises after multiple repeated measurements)
- ◆ Zero key allows easy zero reset using water, no standard solutions required

Model	PAL-1	PAL-2	PAL-3
Range	0.0 to 53.0	45.0 to 93.0	0.0 to 93.0
Resolution	0.1	0.1	0.1
Accuracy	±0.2	±0.2	±0.2
ATC range	°C 10 to 60 — all models		
Power	2 x 1.5V AAA batteries — all models		
Overall, W x D x H	mm 55 x 31 x 109 — all models		
Weight	g 100 — all models		

As described. Supplied with storage case and batteries.

- RE440-30** PAL-1
- RE440-60** PAL-2
- RE440-80** PAL-3
- BL610-08** 1.5V battery, spare (2 required)



RE440-60, RE440-30 and RE440-80 are similar

Portable Digital, PR-α Series



Functionally-designed, reliable digital refractometers covering a total range of 0.0 to 90.0% sugar (Brix) using a minimum sample volume of 0.1ml.

- ◆ Built-in, automatic temperature compensation
- ◆ Separate temperature display function
- ◆ User scale function - sample concentrations with up to 3 separate scales
- ◆ IP64 class splashproof casing

Catalogue No.	RE450-05	RE450-10	RE450-15	RE450-20
Model	PR-32α	PR-101α	PR-201α	PR-301α
Range	% sugar (Brix) 0.0 to 32.0	0.0 to 45.0	0.0 to 60.0	45.0 to 90.0
Resolution	% sugar (Brix) 0.1 — all models			
Accuracy	% sugar (Brix) ±0.1 (+5 to +40°C)	±0.1 (+5 to +40°C)	±0.1 (+10 to +40°C)	±0.1 (+10 to +30°C)
Temperature (ATC) range	°C +5 to +40	+5 to +40	+10 to +40	+10 to +40
Reading time	seconds 3 — all models			
Power	9V alkaline battery MN1604 or equivalent — all models			
Overall, W x D x H	mm 170 x 90 x 40 — all models			
Weight	g 300 — all models			

As described. Supplied with 9V battery and operating instructions.

- RE450-05** PR-32α
- RE450-10** PR-101α
- RE450-15** PR-201α
- RE450-20** PR-301α
- BL610-25** 9V battery, spare



RE450