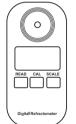


Digital Refractometer



Operational Manual

201803MP01

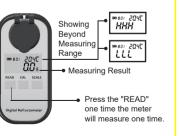
Note

- 1. When used outdoors, please avoid strong light so as not to affect the measurement accuracy. 2. Please keep the instrument in a stable and still statement and position.
- 3. Please keep the instrument in a stable status to measure

4.2 Measurement

After turn on, clear the distilled water and dry the sample plate, drip 0.2~0.3ml sample then close the cover to measure





If press the "Read" button for 2 seconds, the instrument would make the automatic measurements upon programmed times (default 15times), the final value is the average of 15 times' measurements. After measurements, the multi-functions display area would return back to scale showing status.

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The multi-function area would show remaining times during the automatic measurement.

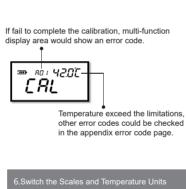


The calibration method is as following drop 0.2-0.3ml pure water then close the cover to



Press "CAL" button once again during the 'CAL' flashing to start to calibrate. When the calibration is completed showing as following. If no any operations for 10seconds the instrument would return back to booting status.

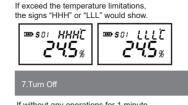




6.1 Scales Converting

Current Scale Unit 13330[~] ⇒so: 2040 00% Press to convert the scales and the values Digital Refractometer 6.2 Temperature System Converting Temperature Unit 30 SO: 587F ŬŬ. =so: 204€ Press button for 2 seconds. temperature unit would be converted Digital Refractometer The instrument could support 10 scales maximally.

Current Scale Number



If without any operations for 1 minute. the instrument would be automatically turned off.

- 1. Please clean and wash the sample plate with distilled water and dry it with soft cleaning cloth or paper towel after finishing the measuring one kind sample
- 2. Never left the remains and residuals of samples in the sample plate for long time.
- 3. After finishing measurements of the corrosive liquid, please clean the sample plate as quick as possible to avoid the irreparable damage of the prism and metal surface of the plate.
- 4. Please use soft cleaning cloth or paper towel to clean the sample plate to avoid scribing the prism's glass.
- 5. When the dropper and dust-free cloth are not used. please clean it with clean water and put it in the packing box after drving.
- 6. If no using the instrument for a long time, please remove the battery, and preserved in a cool and drv environment.

Appendix: Performance:

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Description of Scales Numbering:

Range Accuracy Resolution Brix 0.0%~50.0% ±0.2% 0.1% 0.0%~90.0% ±0.2% 0.1% R.I. 1.3330~1.4200 ±0.0003 0.0001 1.3330~1.5177 ±0.0003 0.0001 asymptotic distribution ±0.5°C 0.1°C immension 121*58*25mm Net weight 90g (excluding battery)				
Brix 0.0%~90.0% ±0.2% 0.1% R.I. 1.3330~1.4200 ±0.0003 0.0001 1.3330~1.5177 ±0.0003 0.0001 iemperature 0.0~40.0°C ±0.5°C 0.1°C 32.0~104.0°F ±0.9°F 0.1°F 0.1°F		Range	Accuracy	Resolution
0.0%~90.0% ±0.2% 0.1% R.I. 1.3330~1.4200 ±0.0003 0.0001 1.3330~1.5177 ±0.0003 0.0001 emperature 0.0~40.0°C ±0.5°C 0.1°C 32.0~104.0°F ±0.9°F 0.1°F Dimension 121*58*25mm	Brix	0.0%~50.0%	±0.2%	0.1%
R.I. 1.3330~1.5177 ±0.0003 0.0001 iemperature 0.0~40.0°C ±0.5°C 0.1°C 32.0~104.0°F ±0.9°F 0.1°F Dimension 121*58*25mm		0.0%~90.0%	±0.2%	0.1%
1.3330~1.5177 ±0.0003 0.0001 emperature 0.0~40.0°C ±0.5°C 0.1°C 32.0~104.0°F ±0.9°F 0.1°F Dimension 121*58*25mm	R.I.	1.3330~1.4200	±0.0003	0.0001
imperature 32.0~104.0°F ±0.9°F 0.1°F Dimension 121*58*25mm		1.3330~1.5177	±0.0003	0.0001
32.0~104.0°F ±0.9°F 0.1°F Dimension 121*58*25mm	emperature	0.0~40.0°C	±0.5°C	0.1°C
		32.0~104.0°F	±0.9°F	0.1°F
Net weight 90g (excluding battery)	Dimension	121*58*25mm		
e g (encluding batter)	Net weight	90g (excluding battery)		

The Error Codes Table:

code	Instructions	
A01	Beyond the scope of calibration temperature. (0.0°C~40.0°C)	
A02	A02 During calibration, no solution or solution wrong.	
A03	This instrument has a hardware failure.	

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