

DIGITAL REFRACTOMETER




Model : EQ-REF-121/122/123

FEATURE

- 2-in-1 Measurement : % Brix & Refractive Index
- Alarm of Low Voltage
- Automatic Temperature Compensation
- Automatic Shut off

| SPECIFICATION : | REF-121 | REF-122 | REF-123 |
|-------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| • Measuring Range | 0 ~ 45% Brix Nd 1.3330 ~ 1.3903 | 28 ~ 65% Brix Nd 1.3800 ~ 1.4535 | 60 ~ 92% Brix Nd 1.4400 ~ 1.5230 |
| • Accuracy | | ± 0.1% ± 0.0002 | |
| • Resolution | | 0.1% 0.0001 | |
| • Operation Temperature | | 0 ~ 40 °C (32 ~ 104 °F) | |
| • Storage Temperature | | -10 ~ 50 °C (14 ~ 122 °F) | |
| • Power Supply | | 1 Battery 9V | |
| • Size (mm) | | 185mm × 105mm × 50mm | |
| • Weight | | 250g | |

OPERATION :

1. **Starting up** : Press ON/OFF key, the digits appeared represent current environmental temperature.
2. **Zeroing (or reference)** : Use pure water, or titer : Clean liquid pool, drop right amount of water, press "ADJ" key, "rEF" is displayed. Then "rEF" is changed to "End" release "ADJ" key, now zeroing is finished.
3. **Test** : Mop up liquid pool with clean paper, then drop in liquid to be measured. Press "READ" key lightly. The displayed reading value is the concentration value of the measured liquid. (Pressing time should be not more than 3 seconds).
4. **Conversion** : When you need to measure other properties (such as refractive index) of a kind of solution, you should convert "concentration" in window to "refractive index". Please press "ADJ" & "READ" keys by forefinger and middle finger of right hand respectively under status of shut down; at the same time, click "ON/OFF" key with finger of left hand, now refractive index value is displayed. If you want to resume, perform the same operation after shut down. Conversion operation of other series is the same as this. Please refer to figure below.



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