DIGITALES REFRAKTOMETER

PCE-DRF 4



- **Quick and accurate measurement in approx. 1 s**
- **Large LCD display (measured value and temperature)**
- **Easy to use (1-key operation)**
- **Small sample volume**
- **Simple calibration with distilled water**
- **Automatic temperature compensation**
- **Stainless steel sample holder with glass prism**
- **Automatic power-off after 1 min of inactivity**

Our Refractometer / Handheld Refractometer determines the percentage of glycerin in water with a measurement range of 0 to 100%. The measurement result and the temperature of the sample are shown in two lines on the LCD display of the Refractometer / Handheld Refractometer. Our Refractometer / Handheld Refractometer can measure various parameters such as percentage and refractive index quickly and accurately with just four to five drops of the sample. The Refractometer / Handheld Refractometer has a wide range of applications: it can be used in water analysis, cosmetics control or in the manufacture of products containing glycerin.

The funnel-shaped stainless steel ring protects the glass prism from damage, into which the liquid sample to be measured is placed. The internal light source enables measurement under poor lighting conditions. Our Refractometer / Handheld Refractometer is supplied in a rugged plastic case with pipette and charging cable.

Specification

Refractive index	
Measuring range	1,333 ... 1,474 nD
Resolution	0,0001 nD
Accuracy	±0.0003 nD
Glycerine	
Measuring range	0 ... 100 %
Resolution	0 %
Accuracy	±0.2 %
Temperature	
Measuring range	0 ... 40 °C
Resolution	0,1 °C
Accuracy	±0.5°C

General technical data	
Temperature compensation NEW	automatic 10 ... 40 °C
Display Typ	LCD
Measuring rate	1 Hz
Automatic power-off	1 min.
Sample quantity	0.2 ... 0.3 ml
Menu language	English (US), English (GB)
Protection class (device)	IP65
Power supply	5V DC, 500mA
Battery/battery	1 x 3,7 V LP562438 , Lithium-ion polymer battery
Battery capacity	500 mAh
Performance	1,85 Wh
Operating conditions	0 ... 50 °C , 0 ... 95 %RH
Storage conditions	0 ... 50 °C , 0 ... 95 %RH
Dimensions (L x W x H)	145 x 46 x 27 mm
Weight	115 g

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