HANDHELD DIGITAL REFRACTOMETER COFFEE

PCE-DRP 1



- **Measurement parameters: Brix, coffee p1, refractive index, temperature**
- **Automatic temperature compensation (ATC) from +10 ... +40 °C / +50 ... +104**
- **°F**
- **Handheld and portable**
- **User-friendly 3-button operation**
- **Fast and precise measuring results in approx. 1 sec.**
- **ABS plastic housing with IP65 ingress protection rating against water and**
- **dust**
- **Large, easy-to-read digital LCD shows both the measured value and the**
- **temperature**
- **Average function measures same sample 15 times and displays the mean value**

PCE-DRP 1 Coffee Handheld Digital Refractometer
PCE-DRP 1 is a handheld digital refractometer used to determine the sugar content / coffee p1 / refractive index of coffee and similar liquids in the 0 ... 50 % Brix / 0 ... 25 coffee p1 / 1.3330 ... 1.4200 nD measuring range. This waterproof IP65-rated digital refractometer features automatic temperature compensation (ATC) from +10 ... +40 °C / +50 ... +104 °F, as well as a large, easy-to-read LCD that shows both the measured value and the temperature.
Fields of application
Millions of people do not imagine the start of their day without a cup of a good coffee. The word “good” is of crucial importance. This “treat” named coffee is known all over the world and the variety of its kinds is overwhelming. Coffee-shops, stores, restaurants, even coffee-to-go sellers are all interested in providing the customers with the best possible product. Coffee refractometer has been created to help in the creation of an impeccable drink. By using this device, it is possible to determine caffeine amount, as well as amount of total dissolved solids (TDS) in a particular drink, sugars etc. in other words, coffee

Specification

Brix	
Measuring range	0 ... 50 % Brix
Resolution	0,1 % Brix
Accuracy	±0.2% Brix
Refractive index	
Measuring range	1,333 ... 1,42 nD
Resolution	0,0001 nD
Accuracy	0.0003 nD
Coffee p1	
Measuring range	0 ... 25
Resolution	0,1
Accuracy	±0.2
Temperature	
Measuring range	0 ... 40 °C
Resolution	0,1 °C
Accuracy	±0.5 °C

refractometer provides a really scientific approach with involvement of “smart” equipment to such a simple routine thing as making a cup of coffee.

General technical data	
Temperature compensation	automatic 10 ... 40 °C
Display type	LCD
Response time	1 s
Automatic power-off	1 min
Housing	ABS (acrylonitrile-butadiene-styrene copolymers)
Sample quantity	4 ... 5 drops
Sample tray	Stainless steel ring with glass prism
Menu language	English, English (GB)
Protection class (device)	IP65
(Rechargeable) battery	1 x 1,5 V AAA battery , Alkali-manganese
Capacity	1200 mAh
Operating conditions	10 ... 40 °C , 0 ... 80 % RH
Storage conditions	-10 ... 50 °C , 0 ... 80 % RH
Dimensions (L x W x H)	125 x 62 x 28 mm
Weight	144 g