HANDHELD DIGITAL REFRACTOMETER BEER

PCE-DRW 1



- **Measurement parameters: Brix, specific gravity (d 20/20), 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.**

PCE-DRW 1 is a handheld digital refractometer used to determine the sugar content / specific gravity of beer and similar liquids in the 0 ... 50 % Brix / 1.000 ... 1.130 d 20/20 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.

More Information about Beer Refractometer

Refractometers find their application not only in the laboratory for research and development purposes. The range of particular practical tasks that are fulfilled with the help of the digital refractometer is very wide and beer brewing and taste control are among them. This small device may be used from the very beginning of the process to the end, when the final product is ready to be served. Beer production is a complicated process that consists of a few stages and in which different ingredients are used (that is why so many kinds of beer exist). To get the required taste and colour of the beverage the correct amount of ingredients (ground wheat, malt, barley, water, sugar) taken in a strict proportion should undergo a long fermentation process. The beer refractometer allows getting the values of the starting gravity, as well as the gravity of the beer in the process of fermentation and the actual value at the end.

Specification

Brix	
Measuring range	0 ... 50 % Brix
Resolution	0,1 % Brix
Accuracy	±0.2% Brix
Density	
Measuring range	1 ... 1,13 D20/20
Resolution	0,001 D20/20
Accuracy	±0.002 D20/20
Temperature	
Measuring range	0 ... 40 °C
Resolution	0,1 °C
Accuracy	±0.5 °C

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