



## Refractometer PCE-DRB 10



Abbe refractometer PCE-DRB 10  
Abbe - refractometer to measure the refractive index and % Brix / Backlight / Thermostat

**connection / Large touch screen / Measurement data memory for different user and sample IDs**

With the Abbe refractometer PCE-DRB 10 the refraction index and the Brix value can be determined precisely. The Abbe refractometer shows you the refractive index between 1.3000 and 1.7000 nD and the Brix value between 0 and 100%. In addition to the measuring parameters, the Abbe Refractometer has a high reading and measuring accuracy. Through the various settings, the Abbe Refractometer can be tailored to different needs and requirements.

All settings can be made via the clear and clear LED touch screen. In addition, a calibration is carried out at each start of the Abbe refractometer PCE-DRB 10. This calibration is for error-free measurement and is carried out completely autonomously by the device. However, the calibration can also be carried out during use. The measurement data taken by the refractometer can be stored directly on the device. For later analysis, these metrics will be retrieved in the system so that they are recalled by user ID, sample ID, or date. In order to avoid measurement errors due to common light sources, such as daylight, incandescent lamps or fluorescent lamps, on the Abbe refractometer, the sample flap at the top will be closed.

- Measures refractive index and sugar content
- Robust housing
- Thermostat connection
- For the stationary measuring process
- Clear LED touch screen
- Measurement data memory

## Specifications:

Measuring range refraction index	1.3000 ... 1.7000 nD
Resolution	0.0001 nD
Accuracy	± 0.0001 nD
Measuring range sugar content	0 ... 100%
Resolution	0.1%
Accuracy	± 0.1%
Measuring range thermometer	0 ... 95°C / 32 ... 203°F
Resolution	0.1°C / 0.18°F
Accuracy	± 0.3°C / 0.54°F

### Further technical specifications of the Abbe refractometer

Memories	100
Interface	RS-232
Wavelength	589 nm
Ambient temperature	10 ... 35°C / 50 ... 95°F
Storage temperature	-20 ... 60°C / -4 ... 140°F
Mains voltage	100 ... 240V AV, frequency 50/60 Hz
Weight	4 kg / 8.8 lbs
Dimensions	360 x 240 x 150 mm / 14.2 x 9.4 x 5.9 in (L x W x H)
Calibration	Single-point calibration

Display

5.6" LED touch screen

## **Delivery Scope**

- 1 x Refractometer PCE-DRB 10
- 1 x Power plug
- 1 x Factory calibration certificate
- 1 x User manual