

# Digital Hand Held Refractometers

## DBR Series



### Digital Refractometer DBR

The models in the Aczel DBR-B range are accurate, universal and maintenance-free digital manual refractometer. With their practical design, they are ideal for convenient and rapid everyday use. Other key features are the easy handling and sturdiness. The large, easy-to-read display means that the user can always be sure of taking an accurate measuring result. The large range of models with either a single or multiple measuring scales means that you can use the product in many application areas. The optimised device software can give the measurements in various measurement scales. The integrated automatic temperature compensation (ATC) means that you can work easily and quickly, as you do not have to manually convert the measurement.

The following models are particularly suitable for measuring the Brix value. These mean that you can determine the sugar content in foods, primarily in fruit, vegetables, juice and drinks which contain sugar. This refractometer also is ideal for the monitoring of processes in industry (coolant monitoring, oils and fats). You can also choose to display the refraction index.

### Accessories available

- Calibration solution 60%, Volume: 2,5 ml
- Leather bag  
Included in the scope of supply:
- Storage case
- Calibration solution
- 2 x AAA batteries- Pipette
- Screwdriver
- Leather case
- Cleaning cloth

### Application

- Bench top Refractometer DBR series  
Main areas of application:  
**Industry:** Process and quality control, lubricant control  
**Food processing industry:** drinks, fruit, sweets  
**Agriculture:** Determining the degree of ripeness of fruit for quality control during the harvest  
**Hotel Industry :** Restaurants and industrial kitchens

Model	DBR000035nD	DBR000045nD	DBR2865nD	DBR5892nD
Range Brix	0~35%	0~45%	28 ~ 65%	58 ~ 92%
Ref. Index	1.3330 ~ 1.3900	1.3330 ~ 1.4089	1.3770 ~ 1.4535	1.4370 ~ 1.5090
Accuracy Brix	0.1	0.1	0.1	0.1
Ref. Index	0.0003	0.0003	0.0003	0.0003
Temp. of Meas. Range	0°C-40°C (32°F - 104°F)			
Precision of Meas. Temp.	±1°C(2°F)			
Meas. Temp. Resolution	1°C (1°F)			
Operation Temp.	0°C-35°C (32°F - 90°F)			
Storage Temp.	0°C - 50°C (32°F - 122°F)			
Power Supply	1 Battery (9v)			
Dimension (LxWxH)	135 x 65 x 70mm			
Weight Approx.	200g			

WORLDWIDEMARKETING

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