

14 Polarimeter





The ideal helper for getting started with the analysis of your optically active solutions in the laboratory

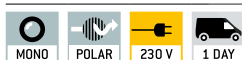
Features

- The KERN OAB 10LN is a manual polarimeter which is characterised by its ergonomic design and easy handling
- The powerful 589 nm sodium vapour lamp is the optimum light source to produce a linear, polarised beam of light
- The 1° scale division including Nonius (0.05°) enables precise definition of the angle of rotation of the substance to be observed
- To hold liquid samples, two glass cuvettes (100 mm/200 mm) are included with the delivery
- Included with delivery:
Sodium vapour lamp, 100 mm glass cuvette, 200 mm Glasküvette, Replacement lenses and sealing rings for cuvettes

Technical data

- Light source: Sodium vapour lamp (589 nm)
- Stabilisation time: 10 mins after switching on
- Overall dimensions W×D×H
500×135×330 mm
- Net weight approx. 5 kg

STANDARD



Scope of application: Laboratory/Education

The reliable polarimeters in the OAB-N range have been designed for simple laboratory applications as well as practical training. You can evaluate liquid, optically-active samples with chiral characteristics with this device. Typical applications are determining kinetics in cane sugar inversion, determining mutarotation of glucose and investigation of starch hydrolysis. The optical rotation is measured in degrees.

The main scope of applications is:

- Pharmacy
- Sugar industry: for example cane sugar
- Beverage industry
- Food industry
- Chemical industry
- Laboratories
- Training



Cuvette in measuring chamber

Model	Scales	Measuring range	Division	Vernier	Wave length	Price excl. of VAT ex works €
KERN						
OAB 10LN	Optical rotation	± 180°	1°	0,05°	589 nm	690,-

Accessory parts: OAB

Model	Description	Price excl. of VAT ex works €
KERN		
OAB-A250 1	Glass cuvette, Length: 100 mm (Spare part)	80,-
OAB-A2502	Glass cuvette, Length: 200 mm (Spare part)	80,-
OAB-A258 1	Sodium vapour lamp, Wave length: 589 mm (Spare part)	85,-



Cuvette 10 and 20 cm