



Brightness regulator

Precise and durable: the reliable companion for your laboratory

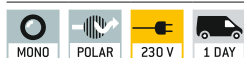
Features

- The KERN OAB 20LED is an analogue polarimeter featuring ergonomic design and simple handling
- The high-performance LED used offers a significantly longer service life than conventional sodium-vapour lamps
- The illumination can be customised thanks to a brightness regulator
- The measuring principle is based on optical rotation according to the half-shade principle and guarantees precise results
- The flexible sample chamber allows the use of measuring tubes up to a length of 220 mm
- The delivery includes two measuring tubes (100 and 200 mm) with bubble trap for easy filling, replacement lenses and sealing rings

Technical data

- Light source: (589 nm) high-power LED
- Stabilisation time: approx. 5 s after switching on
- Overall dimensions W×D×H 500×130×330 mm
- Net weight approx. 2,8 kg

STANDARD



Scope of application: Laboratory/Education

The OAB 20LED polarimeter is the perfect choice for simple laboratory applications in companies and institutes and combines user-friendliness, precision and durability. Thanks to the robust, low-maintenance LED technology that replaces conventional sodium-vapour lamps, it is ideal for everyday use in laboratories, pharmacies and training centres. Typical applications include precise incoming and outgoing checks of pharmaceutical products in laboratories and pharmacies. It is also ideal for practical exercises, experiments and chemical analyses in academia and industry, for example on the kinetics of sucrose inversion or for determining the concentration of polysaccharides

The main scope of applications is:

- Chemists
- Hospitals
- Beverage industry
- Food industry
- Chemical industry
- Laboratories
- Training



Cuvette in measuring chamber

Model	Scales	Measuring range	Division	Vernier	Wave length
KERN					
OAB 20LED	Optical rotation	$\pm 180^\circ$	1°	$0,05^\circ$	589 nm

Accessory parts: OAB

Model	Description
KERN	
OAB-A2501	Glass cuvette, Length: 100 mm (Spare part)
OAB-A2502	Glass cuvette, Length: 200 mm (Spare part)
OAB-A2581	Sodium vapour lamp, Wave length: 589 mm (Spare part)



Cuvette 100mm and 200mm