

PRODUCT BROCHURE

OPTICS OAB 20LED

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ENGLISH



Precise and durable: the reliable companion for your laboratory

CONTACT

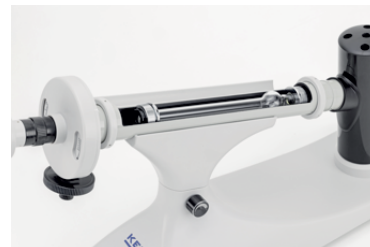
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PRODUCT SHOWCASE



DESCRIPTION

- 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

Main scope of applications:

- 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

SPECIFICATIONS

Article codes, product groups & Status information

Model article-code	OAB 20LED
Model-Serie	OAB-L
Assortment	Optics

Product Type	Polarimeters
Product group	Analogue polarimeters
Product usage type	Main article
EAN code (Model)	404576 1476 196
Predecessor Model	OAB 10LN
Customs tariff number	90271010
CE Label	yes

Technical data - Primary

Vernier	0.05°
Wavelength	589 nm
Division	1°

Technical data - Construction

Type	Manual
Light source	LED
Stabilisation time	5 s
Dimensions (W×D×H)	500×130×330 mm
Measuring Containers	Glasküvette 100mm; Glasküvette 200mm

Technical data - Power supply

Power supply kind	Built-in power supply
Input Voltage	100 V - 240 V AC, 50 / 60 Hz
Power Plug	Schuko
Protection Class	Protection class II - protective insulation
Cable attachment	Permanently connected

Technical data - Measuring system

Scale Roation Min	-180°
Scale Roation Max	+180°
Loupe Magnification	3 x

Technical data - Environmental conditions

Storage Temp Min	-5 °C
Stotage Temp Max	40 °C

Technical data - Packing & Shipping

Dimensions packaging (W×D×H)	570×210×410 mm
Gross weight	4.4 kg
Net weight	2.8 kg
Shipping method	Parcel service
Packaging component - by weight - paper	1 g
Packaging component - by weight - cardboard	658 g
Packaging component - by weight - plastics	91 g
Packaging component - by weight - styrofoam	493 g
Delivery time	1 d

Technical data - Verification

WEEE	yes
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FUNCTIONS

Standard



ACCESSORIES

Model	Description
OAB-A2501	Accessories KERN OAB-A2501
OAB-A2502	Accessories KERN OAB-A2502

SERVICES

Model	Description
970-105	Warranty extension KERN (+2 years) 970-105

RELATED ARTICLES DATA

Model name	Vernier	Wavelength	Division
OAB 20LED	0.05°	589 nm	1°