

**Polarimeter P8000 series****A.KRÜSS Optronic****Polarimeter P8000 series**

Polarimeters with patented measuring method, which reduces the measuring time to approx. 1 s regardless of the sample's angle of rotation. They are used when particularly high demands are placed on measurement accuracy and on continuous data recording and data backup. The instruments have all the functions required in FDA-regulated areas and meet all requirements of GMP/GLP and international standards.

- Fast reliable measurement up to an optical density of 3.0 OD, measurement time of approx. 1 s
- Easy, menu-driven adjustment
- Any number of freely configurable methods
- Suitable measurement tube for any type of sample
- Temperature measurement directly inside the sample
- Reliable temperature compensation
- Complete documentation of measured values
- Compliance with global standards (GMP/GLP, 21 CFR Part 11, Pharmacopoeia (USP, BP, JP, Ph. Eur.), FDA, ISO, HACCP, OIML, ASTM, ICUMSA, NIST)

Specifications

Scale: Optical rotation [°], int. sugar scale [°Z], concentration [g/100 ml], spec. rotation customized

Measuring range / Resolution: $\pm 90^\circ$ / 0.001°

$\pm 259^\circ\text{Z}$ / 0.01°Z ml

Measuring time: approx. 1 s ($\pm 90^\circ$)

Light source: 1 LED with filter

Wave length: 589 nm

Temperature range: 0 ... 99.9 °C

Resolution: 0.1 °C

Accuracy: $\pm 0.2^\circ\text{C}$

Dimensions (W x D x H): 640 x 360 x 200 mm

Weight: 28 kg

Power supply: 110 ... 250 V, 50/60 Hz



Code	Description	Packaging
LLG06285420	Polarimeter P8000 series, Type P8100, Accuracy $\pm 0.002^\circ \pm 0.01^\circ \text{Z}$, Without sample temperature control	1 pz.
LLG06285421	Polarimeter P8000 series, Type P8100-T, Accuracy $\pm 0.002^\circ \pm 0.01^\circ \text{Z}$, With water temperature control	1 pz.
LLG06285423	Polarimeter P8000 series, Type P8100-TF, Accuracy $\pm 0.002^\circ \pm 0.01^\circ \text{Z}$, With water sample temperature control, flow function	1 pz.
LLG06285425	Polarimeter P8000 series, Type P8100-P, Accuracy $\pm 0.002^\circ \pm 0.01^\circ \text{Z}$, With Peltier sample temperature control	1 pz.
LLG06236652	Polarimeter P8000 series, Type P8000, Accuracy $\pm 0.003^\circ \pm 0.01^\circ \text{Z}$, Without sample temperature control	1 pz.
LLG06237632	Polarimeter P8000 series, Type P8000-T, Accuracy $\pm 0.003^\circ \pm 0.01^\circ \text{Z}$, With water temperature control	1 pz.
LLG06285422	Polarimeter P8000 series, Type P8000-TF, Accuracy $\pm 0.003^\circ \pm 0.01^\circ \text{Z}$, With water sample temperature control, flow function	1 pz.
LLG06285424	Polarimeter P8000 series, Type P8000-P, Accuracy $\pm 0.003^\circ \pm 0.01^\circ \text{Z}$, With Peltier sample temperature control	1 pz.



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