

## IDEAL FOR BASIC LAB APPLICATIONS AND TRAINING – P1000-LED

Our polarimeter P1000-LED is used by numerous companies and institutes for basic lab applications and training, for example the experiment on saccharose inversion. It measures the optical rotation according to the half-shade principle, and the measurement results are read through an eyepiece and two noniuses.

The P1000-LED features a sample chamber for tubes with a length of up to 220 mm, a polariser and an analyser. A high-performance LED is used as the light source whose service life is up to 2000 times longer than that of conventional sodium discharge lamps – the device therefore

requires only little maintenance and is very cost-effective. A high-quality metal stand and a pivoted cover make the equipment complete.

The scope of delivery for the P1000-LED includes a 100 mm and a 200 mm measurement tube with a debubbler for the proper filling.

This simple, analogue device can also be validated. The sample chamber is adapted to receive our quartz control plates for the calibration and adjustment.



P1000-LED

### RECOMMENDED MEASUREMENT TUBES

- PRG-100-/-200  
(tubes included in the scope of delivery)
- PRG-50-/-100-M

Complete measurement tube catalogue, see page 26.



PRG-100



PRG-200

### P1000-LED

SCALE	Optical rotation [°]
MEASUREMENT RANGE	2 graduated circles (0–180°)
SCALE DIVISION	1°
READING ACCURACY	0.05° (with nonius)
LIGHT SOURCE	1 LED with filter
WAVELENGTH	589 nm