

# POL-100 Manual Polarimeter



Easy-to-use manual polarimeter, measuring range from  $-180$  to  $+180$  degrees. The instrument is suitable for measuring the optical rotation of the optically active substances, accuracy:  $0.05$  degrees.

## Features

This instrument is installed with a  $589\text{nm}$  light source. Switch on the power, the polarized light beam passes through the polarizer filter. The operator can observe distinct visual fields through the eyepiece. Place the sample tube into the measurement chamber and rotate the vernier knob until the visual fields appear the equal brightness. Read and record the measured values from the vernier scale.



## Ordering Information

POL-100/WXG-4: Polarimeter, glass sample tubes (100 and 200 mm), sealing rings

## Specifications

Model	POL-100	WXG-4
Range	$\pm 180^\circ$	$\pm 180^\circ$
Scale Value	$1^\circ$	$1^\circ$
Vernier	$0.05^\circ$	$0.05^\circ$
Magnifier	3X	3X
Light Source	LED and interference filter	Sodium lamp
Optical Wavelength	$589\text{nm}$	$589\text{nm}$
Sample Tube Length	Up to 200 mm	Up to 200 mm
Power Requirements	AC 220V/50Hz	AC 220V/50Hz
Dimensions	500(L) $\times$ 135(W) $\times$ 330(H) mm	500(L) $\times$ 135(W) $\times$ 330(H) mm
Weight	5 kg	5 kg