

## Manual Polarimeter

**MODEL: WXG-4**



### SALIENT FEATURES:

- Wide measurement range:  $\pm 180^\circ$
- High measurement accuracy:  $\pm 0.05^\circ$
- Suitable for determining optical rotation of optically active compounds
- Disc polarimeter with standard sodium vapour lamp for illumination
- Easy-to-read eyepiece with manual zero adjustment
- Ideal for determining purity, concentration, content based on the specific rotation of substances

Manual Polarimeter WXG-4 is widely used in pharmaceuticals, chemicals, food & beverage, and research laboratories for measuring optical rotation of optically active substances. It is ideal for purity analysis, concentration determination, and routine laboratory testing.

This disc polarimeter uses a standard sodium vapour lamp light source that splits light into ordinary and extraordinary rays. Users observe the field of view through the eyepiece, manually adjust to the zero point, read the dial value, and this value is the optical rotation of the sample.

### SPECIFICATIONS:

Model	WXG-4
Make	Galaxy
Optical Rotation Range	$-180^\circ$ to $+180^\circ$
Optical Rotation Resolution	$1^\circ$
Optical Rotation Accuracy	$+0.05^\circ$
Magnifier Magnification	3x
Light Source	Sodium Vapour Lamp
Wavelength	589.4nm
Sample Tube Length	Upto 200 mm
Standard Tube	100 mm & 200 mm sample tube
Power Supply	AC 220V / 50 Hz
Dimensions & Weight	570 x 200 x 400 mm & 4 kgs

### STANDARD

### ACCESSORIES:

- 100 mm sample tube
- 200 mm sample tube
- Instruction Manual