



Rotate the vernier knob till the visual field to equal brightness. (Zero point)



Full-circle manual polarimeter is ideal for determining concentration levels of samples for application in the medical, educational, pharmaceutical, and cosmetic industries etc.

Easy Measurement

The polarimeter have 589.44nm sodium lamp. After powered on, the polarized light, beam is immediately radiate to the filter, polarizer etc. You can observe distinct visual fields through eyepiece of instrument. Put the sample tube into measuring field chamber. Rotate the vernier knob again, you can view equal brightness. Read the scale from magnifier that is measured value.

Specific optical Rotation Measurement

Specific optical rotation is constant of substance, you can measure it by 100mm glass tube when temperature of solution is at 20°C

Purity Measurement

If you want to know sample's purity you need only measure it's the angle of rotation and calculate it.

Concentration Measurement

For substance of known specific optical rotation, you can measure the angle of rotation and calculation concentration accordingly.

International Sugar Scale

According to international sugar scale, the 26 grams of pure sugar in solution, the angle of rotation of solution is 34.262°. By rule, you can calculate the purity of sugar.

Model	APM - 4
Measurement Range	-180° to +180°
Scale Value	1°
Vernier	±0.05°
Magnifier	3X
Light Source	Sodium Lamp
Wavelength	589.44nm
Parameter	Manual
Round Cuvetter	100 or 200mm
Stable Time	10 minutes
Range of Accuracy	0 ~ ±180° (±0.05°)
Power Requirements	230 Vac, ± 20%, 50-60Hz
Dimension (LxWxH)	500 x 135 x 330mm
Weight Approx.	6.5 kg