

C25L

Manual Polarimeter



Features

- Rugged Design And Simple Operation
- Quality Control & Instructional Applications
- Wide Measurement Range Of $\pm 180^\circ$
- Potential Accuracy Up To $\pm 0.05^\circ$
- LED Light Source
- Sample Cells Up To 200mm

VEE GEE[®]
Analytical Instruments



VEE GEE Model C25L Full-Circle Manual Polarimeter

The VEE GEE Model C25L Manual Polarimeter features a full circular scale of $\pm 180^\circ$. With the use of the Vernier scale, rotations can be measured to an accuracy of 0.1° (an experienced user can potentially achieve accuracy of 0.05°). The rugged design allows for heavy use at the instructional level.

Measurements are made by rotating the Vernier scale disc with the coarse/fine controls; which, in turn, adjusts the analyzer. The large diameter of the Vernier scale disc allows for highly sensitive comparisons of half shadows resulting in accuracy typically not possible with manual polarimeters.

The optical assembly (Vernier scale disc, polarizer, analyzer, & sample compartment) is tilted 15° from horizontal. This results in more convenient and comfortable operation.

The polarizer is fitted with a thin, high-quality, 2-part quartz disc which produces the divided (2 half shadows) field of view. When the 2 half shadows are viewed during measurements, right-shadow shading indicates a dextrorotatory sample and left-side shading indicates a levorotatory sample.

Model C25L features a long-life, energy-efficient LED light source with a 589nm filter. 100mm and 200mm sample cells are included with each polarimeter.

Go with a name you can trust for the highest level in laboratory instruments...choose VEE GEE.



Technical Specifications

| | C25L |
|-------------------------------|------------------------------|
| Cat. No. | 4601P |
| Measuring Scale: | $^\circ$ Arc |
| Measuring Range: | $\pm 180^\circ$ |
| Resolution: | 0.1 |
| Accuracy: | ± 0.1 |
| Optical Wavelength: | 589nm |
| Sensitivity: | Up To 99.9% Light Absorption |
| Measuring Light Source: | LED |
| Sample Cell Length (Maximum): | 200mm |
| Power Requirements: | 110/220V AC, 50/60Hz |
| Dimensions: | 460 x 140 x 330mm |
| Weight: | 5.2kg |
| Manufactured In: | China |



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WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov

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