

VEE GEE

Manual Polarimeters

- Full-Circle Design
- Sodium & Mercury Wavelengths
- Halogen & Arc Light Sources

VEE GEE Manual Polarimeters feature large vernier dials for easy and accurate readings. Great instruments for teaching the principles of polarimetry. Choose from halogen (w/ interference filters) or sodium and mercury light sources; 589 & 546nm wavelengths. Custom wavelengths are available on request. All models are backed by a 1-Year warranty.



Cat. No.	Model	Scale & Range	Wavelength	Light Source	Resolution	Accuracy	List Price
46001	PL-12011	±180 Angular°	λ=589nm	Halogen	0.1°	±0.1°	4,650.00
46003	PL-12021	±180 Angular°	λ=546nm	Halogen	0.1°	±0.1°	4,650.00
46005	PL-12031	±180 Angular°	λ=589nm	Sodium Arc	0.1°	±0.1°	4,950.00
46007	PL-12041	±180 Angular°	λ=546nm	Mercury Arc	0.1°	±0.1°	5,050.00

VEE GEE

Automatic Polarimeters

- Continuous, Fast Measurement For Ultimate Accuracy
- Large LCD Displays & Alpha-Numeric Keypads
- Wide Selection Of Custom Wavelengths & Light Sources

VEE GEE Automatic Polarimeters, through advanced Faraday modulation, feature direct determination of the rotation angle via mechanical coupling of the analyzer and optical encoder. This provides continuous, automatic measurements at unparalleled speed and accuracy. All models can be outfitted with a wide array of custom wavelengths and light sources. Contact Wilkens-Anderson for a custom quotation.

Model SACCHAROMAT features exclusive Quartz Wedge Compensation to deliver the ultimate in accuracy for sugar testing.

A wide selection of sample cells and quartz control plates are available.

All models are backed by a 1-Year warranty.

Cat. No.	Model	Scale & Range	Wavelength	Light Source	Resolution	Accuracy	List Price
46101	POLARTRONOC-N	±180 Angular° ±230°Z	λ=589.44nm	Halogen	0.01° 0.05°Z	±0.01° ±0.05°Z	14,950.00
46201	POLARTRONIC-M	±180 Angular° ±230°Z	λ=589.44nm	Halogen	0.002° 0.01°Z	±0.005° ±0.02°	22,850.00
46301	POLARTRONIC-H	±180 Angular° ±230°Z	λ=589.44nm	Halogen	0.001° 0.01°Z	±0.002° ±0.02°	24,850.00
46401	SACCHAROMAT	-35 to +105°Z	λ=587nm	Halogen	0.01°Z	±0.02°Z	27,150.00



POLARTRONIC-N



POLARTRONIC-M



POLARTRONIC-H



SACCHAROMAT

Sample Cells

VEE GEE Sample Cells are offered in a wide selection of sizes and styles to cover essentially all polarimeter applications. Conventional sample cells are available with or without bubble traps or with center wells. Micro sample cells are used when generally less than 1.5ml of a solution is available for testing. For manual sample changing, select funnel sample cells. Flow-through sample cells allow automatic sample changing via the use of pumps.

Cat. No.	Type	Composition	Jacketed	Length	Volume	List Price
46000-02595	Standard	Glass	No	100mm	5.5ml	225.00
46000-02596	Standard	Glass	No	200mm	10.5ml	225.00
46000-02604	Bubble Trap	Glass	No	50mm	8.0ml	235.00
46000-02600	Bubble Trap	Glass	No	100mm	10.5ml	235.00
46000-02601	Bubble Trap	Glass	No	200mm	16.5ml	235.00
46000-02611	Center Well	Glass	No	50mm	3.0ml	245.00
46000-02607	Center Well	Glass	No	100mm	6.0ml	245.00
46000-02608	Center Well	Glass	No	200mm	12.0ml	245.00
46000-02612	Center Well	Glass	No	95.04mm	5.5ml	265.00
46000-02613	Center Well	Glass	No	190.09mm	11.0ml	265.00
46000-09221	Micro	Glass	No	50mm	0.55ml	435.00
46000-09222	Micro	Glass	No	100mm	1.10ml	435.00
46000-08962	Micro	Quartz	Yes	100mm	1.0ml	1,835.00
46000-02614	Center Well	Stainless Steel	Yes	100mm	12.0ml	1,145.00
46000-02619	Center Well	Stainless Steel	Yes	200mm	17.0ml	1,145.00
46000-09212	Funnel	Stainless Steel	No	100mm	12.0ml	1,145.00
46000-09213	Funnel	Stainless Steel	No	200mm	17.0ml	1,145.00
46000-09216	Funnel	Stainless Steel	Yes	100mm	12.0ml	1,295.00
46000-09217	Funnel	Stainless Steel	Yes	200mm	17.0ml	1,295.00
46000-03820	Funnel w/ Sensor	Stainless Steel	Yes	100mm	12.0ml	1,875.00
46000-03830	Funnel w/ Sensor	Stainless Steel	Yes	200mm	17.0ml	1,875.00
46000-09628	Flow-Through	Stainless Steel	No	50mm	10.0ml	1,005.00
46000-09208	Flow-Through	Stainless Steel	No	100mm	12.0ml	1,005.00
46000-09209	Flow-Through	Stainless Steel	No	200mm	17.0ml	1,005.00
46000-09214	Flow-Through	Stainless Steel	Yes	100mm	12.0ml	1,255.00
46000-09215	Flow-Through	Stainless Steel	Yes	200mm	17.0ml	1,255.00
46000-02748	Micro, Flow-Through	Stainless Steel	Yes	10mm	1.5ml	425.00



Cat. No. 46000-02596



Cat. No. 46000-02601



Cat. No. 46000-02608



Cat. No. 46000-09222



Cat. No. 46000-02748



Cat. No. 46000-08962



Cat. No. 46000-09213



Cat. No. 46000-09217

Quartz Control Plates

VEE GEE Quartz Control Plates are the most accurate calibration standard for polarimeters and saccharimeters. Single Quartz Control Plates are comprised of one right-turning (dextro) plate or one left-turning (levo) plate; these plates have one stated value in Angular° and °Z. Double Quartz Control Plates are comprised of one right-turning (dextro) plate and one left-turning (levo) plate; these plates have 3 stated values -- the dextro and levo values can be used separately or combined [i.e. -36° (dextro) plus +32° (levo) yields a combined plate value of -4°]. All quartz control plates are supplied with a factory certificate stating the absolute rotation value in Angular° & °Z for the wavelengths of 546, 587, 589, & 882nm.

Cat. No.	Type	Rotation Value	List Price
46000-01817	Single	-30, +25, +45, +50, +75, +95, or +99°Z	1,855.00
46000-03227	Single	Range: -100 to -25°Z or +25 to +100°Z	2,150.00
46000-01818	Double	+15 or +20°Z	2,425.00
46000-03228	Double	Range: -24 to +24°Z	2,825.00



Cat. No. 46000-03830



Cat. No. 46000-09214



Cat. No. 46000-09208



Cat. No. 46000-02614