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TECHNOLOGY GROUP

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Full-service, independent repair center
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We buy your excess, underutilized, and idle equipment
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Expert team | Trust guarantee | 100% satisfaction

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CM110 Compact 1/8 Meter Monochromator

- Compact size - Only 5-1/4"x3-1/4"x3-1/4"
- Connects to any computer via standard RS232 interface.
- Double grating turret allows for a broad spectral range coverage.
- May be factory configured as a monochromator or a spectrograph.
- Scans in both directions and in nanometers, Ångstroms, microns, wave-numbers, or eV.
- Change slits on the fly.
- Monochromator may be factory configured for right angle or straight through beam path.
- Suitable for fluorescence, radiometry, process control, colorimetry, tunable filtering, Raman spectroscopy, among others.



The Leader: Price, Performance, Versatility

Single piece base construction, direct grating drive, and anti-backlash gearing ensure this unit is rugged and stable enough for demanding applications. Loaded with SP Optics and able to hold two high quality gratings, the CM110 is ideal for spectrometry in the UV to IR spectra. Each instrument is calibrated and certified prior to delivery and comes with easy-to-use software.

Feature	Value
Design:	Czerny-Turner, dual-grating turrets
Focal Length:	110mm

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f/#:	3.9
Beam Path:	Straight through standard, right angle provided on request.
Wavelength Drive:	Worm and wheel with microprocessor control and anti-backlash gearing. Bi-directional. Usable in positive or negative grating orders.
Wavelength Precision:	0.2nm
Wavelength Accuracy:	± 0.6nm
Slewing Speed:	>100nm/second
Stray Light:	<10-5
Slits:	Standard Set includes; 0.125mm, 0.15mm, 0.30mm, 0.6mm, 1.2mm and 2.4mm x 4.0mm. For other sizes, consult SP.
Max Resolution:	<1nm w/1200G/mm grating and standard slits
Gratings:	One to two gratings. (30 x 30mm) must be purchased. See CM grating options page
Software:	Demonstration control program and LabView driver included.
Power:	UL listed 110/220V power pack
	RS232 standard
Warranty:	One year
Options:	• Hand-held control module with function keys and display for local control • IEEE-488 interface • Interface cables • Gold optics See options and accessories

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