



Standard Polar Goniometer

FPM-510 with optional Orthogonal Goniometer

Ideal for mid-sized display panels and devices requiring full optical characterization, this system is at home in the engineering laboratory or the production QA/QC department.

Benefits

- Optimized for 10" ~ 24" displays
- Full optical characterization
- Industry standard system
- 4' x 6' system footprint
- Integrates with all major LMDs
- Supports popular test pattern generators

Features

- Westar ViewPoint™ software
- Manual & Automatic system control
- Customizable test sequences
- Excel data reports
- Fully automated 5-axis motion base
- Spot Tracking algorithm
- Design Eye Point measurement geometries

Warranty and Support

- 1 year technical support
- 1 year ViewPoint™ upgrades
- 1 year limited warranty

Typical Applications

- R&D and Engineering
- Mid-sized Display Panels and Products
- Avionics / Military Display Testing
- Industrial and Transportation Displays
- Display Production QA/QC
- Full Electro-Optical Characterization

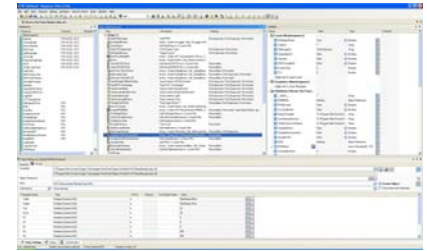
Popular Options

- T-Drive™ Universal Tester
- Response Time & Flicker Kit
- VESA/ICDM FPDM test suite
- TCO '99/'03/'05 test suite
- ISO 13406-2 test suite
- MIL-L-85762A testing

Installation and Training

- On-site installation & set-up
- On-site classroom training
- On-site lab training

FPM-510 System Specification Summary													
Max DUT Size / Weight	24" (61 cm) diagonal / 40 lbs (18 kg)												
Available Light Measurement Device (LMD) Interfaces	BM-5AS, BM-7A, SR-3x, SR-ULx, SC-777, CS-200, CS-1000A, PR-650, PR-880A, PR-705, PR-715, OL-770, OL-750, CAS-140B												
Recommended System Configuration	Light Measurement Device(s): Consult Westar												
	Display Drive and Control: T-Drive™												
	Temporal Measurements: TRD-100A and RT-FL												
	DC Power Supply: DLM-600												
Test Capabilities †	<table border="0"> <tr> <td>✓ Luminance Uniformity</td> <td>✓ Cross-Talk</td> </tr> <tr> <td>✓ Luminance vs. View. Angle</td> <td>✓ Warm Up Time</td> </tr> <tr> <td>✓ Contrast Ratio</td> <td>✓ G.L. Response Time</td> </tr> <tr> <td>✓ CIE Chromaticity & CCT</td> <td>✓ Flicker</td> </tr> <tr> <td>✓ Color Gamut and %NTSC</td> <td>✓ Power Consumption</td> </tr> <tr> <td>✓ Gamma Curves</td> <td>✓ Luminance Efficiency</td> </tr> </table>	✓ Luminance Uniformity	✓ Cross-Talk	✓ Luminance vs. View. Angle	✓ Warm Up Time	✓ Contrast Ratio	✓ G.L. Response Time	✓ CIE Chromaticity & CCT	✓ Flicker	✓ Color Gamut and %NTSC	✓ Power Consumption	✓ Gamma Curves	✓ Luminance Efficiency
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System Controller PC	Pentium-4 Class, 22" Flat Panel Monitor, Windows XP, Office XP												
System Software	Westar's ViewPoint™ Software (Manual Control Interface) and National Instruments TestStand™ with Westar's Test Object Library												
System Size	Optical Table: 183cm wide x 122cm deep. System Height: ~2.0 m												
System Power ††	120 VAC / 60 Hz Single Phase / 20 Amps (2 circuits)												
Optional Capabilities	See separate Common Options brochure												
Installation & Training	On-site system set-up, classroom training, laboratory training												
Warranty & Support	1 Year Limited Warranty; 1 Year Tech Support Service (renewable)												
† With Recommended System Configuration and appropriate test sequences													
†† 220 VAC / 50 Hz power configuration available													



Specifications subject to change

Need more information?

Visit our website to see the FPM System selector guide, capabilities, options descriptions, and basic specs.

www.westardisplaytechnologies.com

Need some help now?

Call our engineering hotline at **636-300-5102** to discuss your unique display test & measurement requirements and let us configure the optimal FPM System for you!

Every system quotation includes a detailed FPM System Specification tailored to your requirements.