



*FPM-500 with optional Orthogonal Goniometer*



*Standard Polar Goniometer*

Ideal for small to 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 1" ~ 17" displays
- Full optical characterization
- Industry standard system
- 3' x 4' 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
- Small-size Display Panels and Products
- Avionics / Military Display Testing
- Industrial and Transportation Displays
- Display Production QA/QC
- Full Electro-Optical Characterization

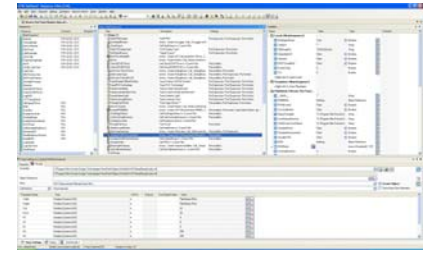
### Popular Options

- 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-500 System Specification Summary													
Max DUT Size / Weight	17" (43 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 &amp; 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: 122 cm wide x 76 cm 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](http://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.