

FPM-520-FO with Light Safe Enclosure



Fiber Optic Probe & Gimbal



Thermal Chamber Variant

Ideal for large display panels, monitors, and TVs requiring full optical characterization, this system is at home in the engineering laboratory or the production QA/QC department.

Benefits

- Optimized for 22" ~ 67" displays
- DUT remains stationary (no rotation)
- Full optical characterization
- Small system footprint 87" x 50"
- Integrates with all major LMDs
- Supports popular test pattern generators

Features

- Fiber Optic probe on gimbal makes viewing angle measurements
- Westar ViewPoint™ software
- Manual & Automatic system control
- Customizable test sequences
- Excel data reports
- Fully automated 5-axis motion base
- Spot Tracking algorithm

Warranty and Support

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

Typical Applications

- R&D and Engineering
- Large Display Panels and Products
- LCD Monitors & TVs
- Industrial and Transportation Displays
- Display Production QA/QC
- Full Electro-Optical Characterization

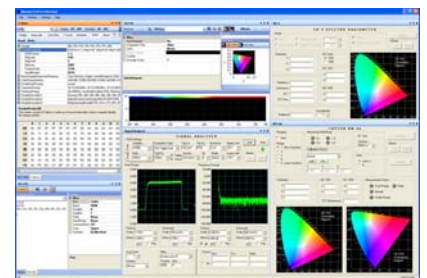
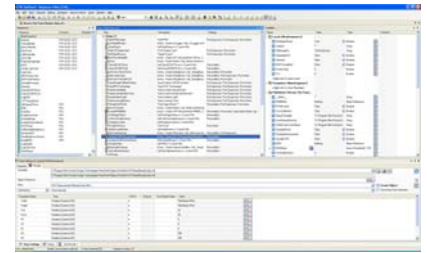
Popular Options

- T-Drive™ Universal Tester
- Response Time & Flicker Kit
- LMD Calibration & Correlation SW
- VESA/ICDM FPDM test suite
- TCO '99/'03/'05 test suite
- ISO 13406-2 test suite
- Dell-VSQ test suite

Installation and Training

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

FPM-520 System Specification Summary													
Max DUT Size / Weight	67" (170 cm) diagonal / 200 lbs (90 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	Enclosure Frame: 2.2 m long x 1.3 m wide. System Height: 2.1 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.