

The MPX Modal Explorer

The MPX Modal Explorer is the Encircled Flux meter of choice for leading companies around the world. Simply connect your source and patchcord to the MPX, and it will measure Modal Launch Conditions in real-time.



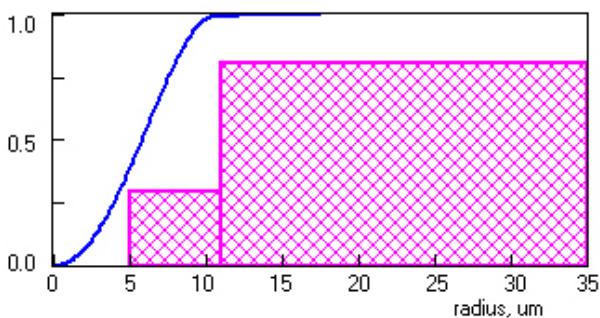
Product highlights:

- End face inspection for precise focus giving better repeatability from operator to operator
- Power monitor - ideal for optimising light throughput and modal conditions together for production of pig-tailed light sources.
- Real-time measurement - adjust modal conditions easily as well as increase productivity
- Internal LED - complies with IEEE 802-3
- USB2.0 connection gives portability - with the optional carrying case plus a laptop computer.

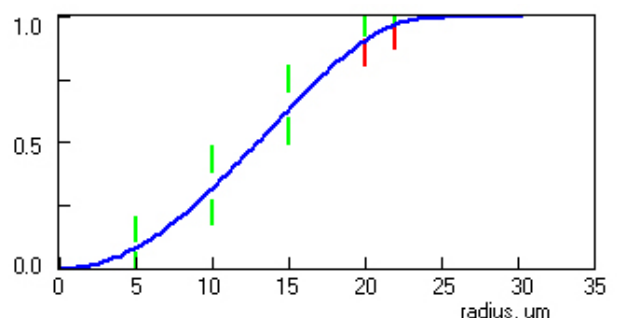
Applications include:

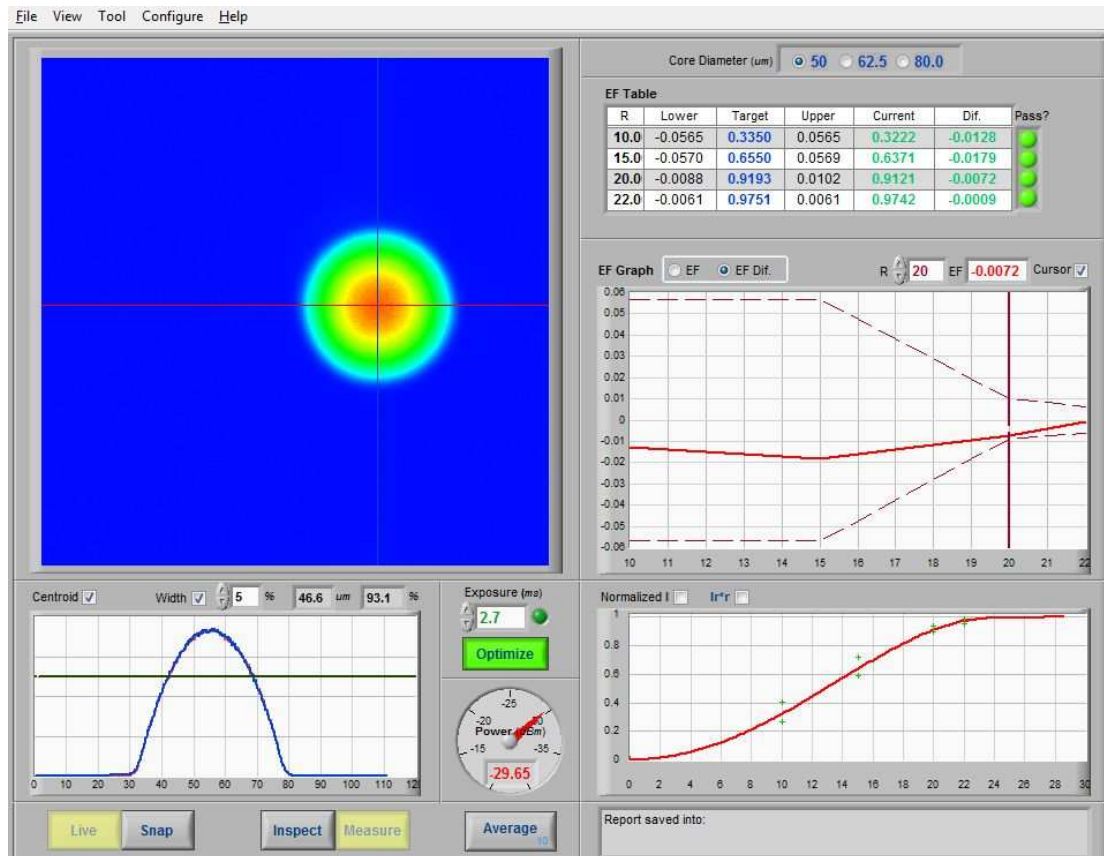
- Source and patchcord characterization for IEC11801 and TIA/EIA568 LAN testing
- VCSEL characterization for Gigabit Ethernet IEEE 802.3
- Mode-scrambler and mode-filter characterization
- Connector inspection
- Measure sources to IEC 61280-4-1
- Alignment of pig-tailed light sources

Encircled Flux showing IEEE 803.2 template



Encircled Flux showing IEC 61280-4-1 template





Screen shot of MPX Modal Explorer

Technical Specification:

MPX1	
Wavelength	- 850nm
Size	- 26W x 27D x 9H (cm)
Weight	- 2.5kg
Dynamic range	- 65dB
Image sensor	- CCD array, 12 bit, 4.65µm pixels

MPX2	
Wavelength	- 1300nm
Size	- 26W x 39D x 11H (cm)
Weight	- 7kg
Dynamic range	- 65dB
Image sensor	- InGaAs array, 12 bit, 30.0µm pixels

Common to both MPX1 and MPX2	
Input connector types available	- Universal 2.5mm ferrule ; Universal 1.25mm ferrule (supplied as standard) FC, ST, SC, LC, MTP, Bare fiber (optional)
Output to computer	- USB 2.0 (cable supplied)
Power	- External switched mode power supply. Requirements: 90 - 240V, <500mA, <50W
Computer requirements	- USB 2.0 port
Operating systems supported	- Windows XP with SP2 or Windows 2000 with SP4
Options	- Desktop computer; Laptop computer; Extended warranty; Carrying case, Custom wavelengths

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