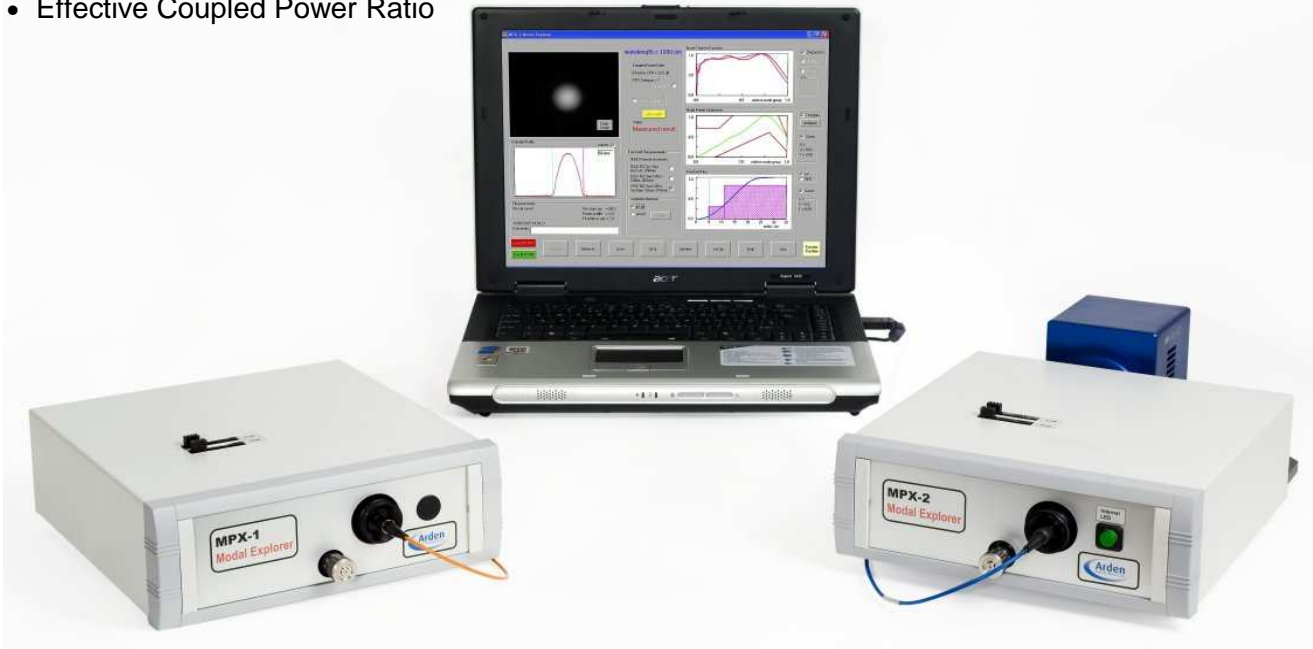


The MPX Modal Explorer



Simply connect your patchcord and the MPX will measure in **real time**:

- Encircled Flux
- Mode Power Distribution
- Effective Coupled Power Ratio



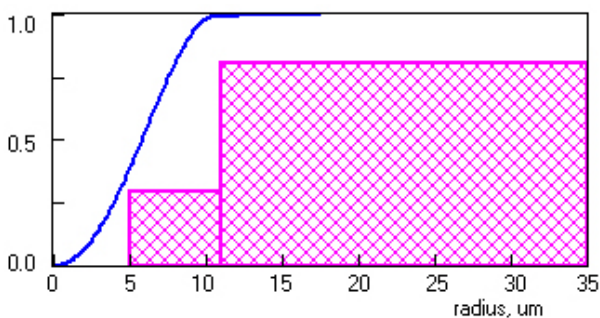
Product highlights:

- Versions for 850 and 1300nm
- End face mode for precise focus
- Power monitor - ideal for optimising light throughput and modal conditions together
- Real-time measurement - monitor and adjust modal conditions easily
- Internal LED for use as Encircled Flux reference source

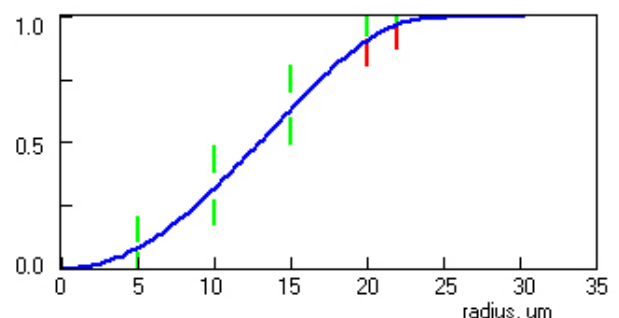
Applications include:

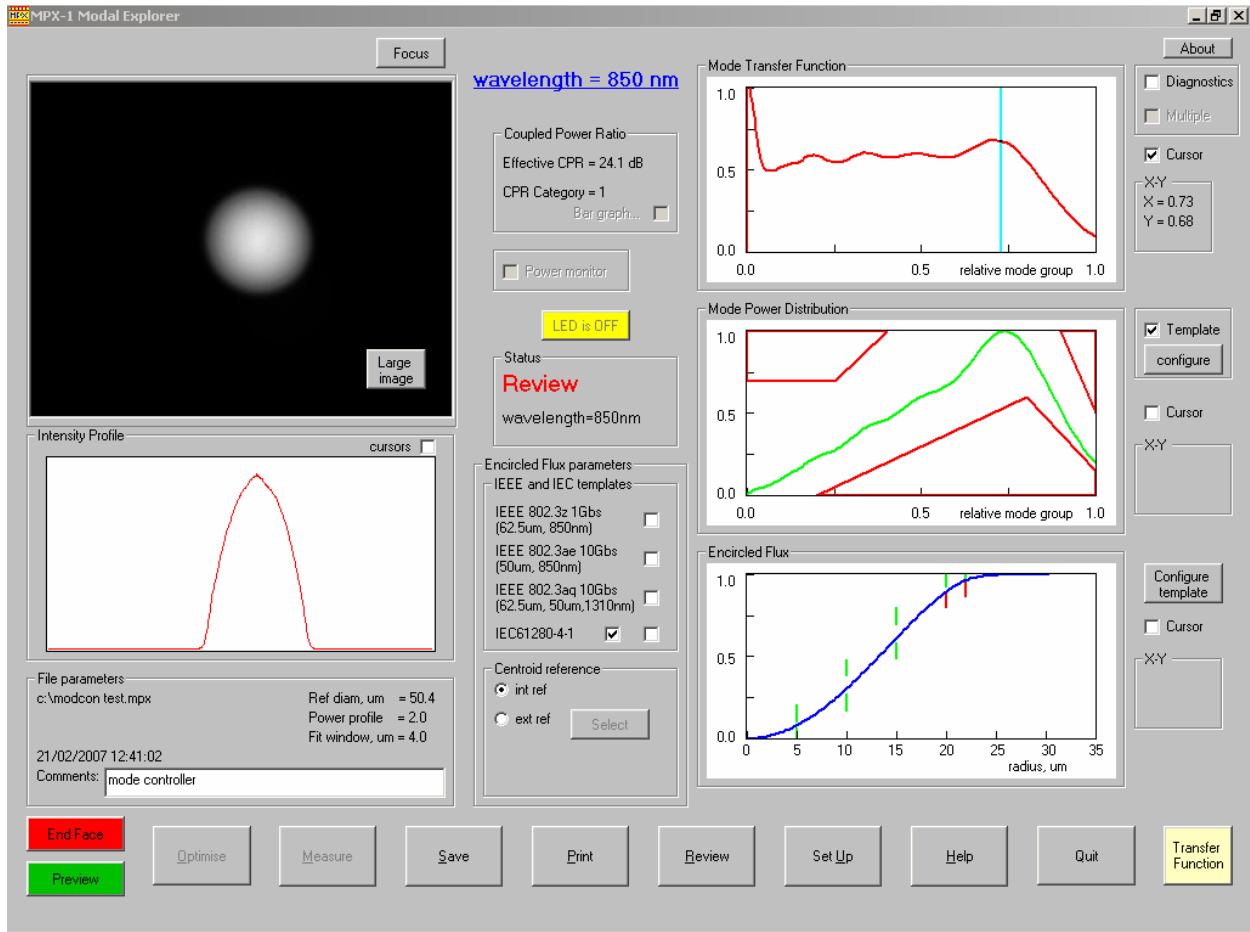
- Source and patchcord characterization for IEC11801 and TIA/EIA568 LAN testing
- Component transfer function measurements
- VCSEL characterization for Gigabit Ethernet IEEE 802.3
- Mode-scrambler and mode-filter characterization
- Connector inspection

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, 4.65um pixels

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

Common to both MPX1 and MPX2	
Input connector types available	- Universal 2.5mm ferrule ; Universal 1.25mm ferrule FC, ST, SC, LC, Bare fiber (Choose any 2 for supply with standard system; others available as options)
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; Printer; Extended warranty; Custom wavelengths

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This specification may be changed without notice due to technical advances or component changes Issue 1.70 Jul 2008