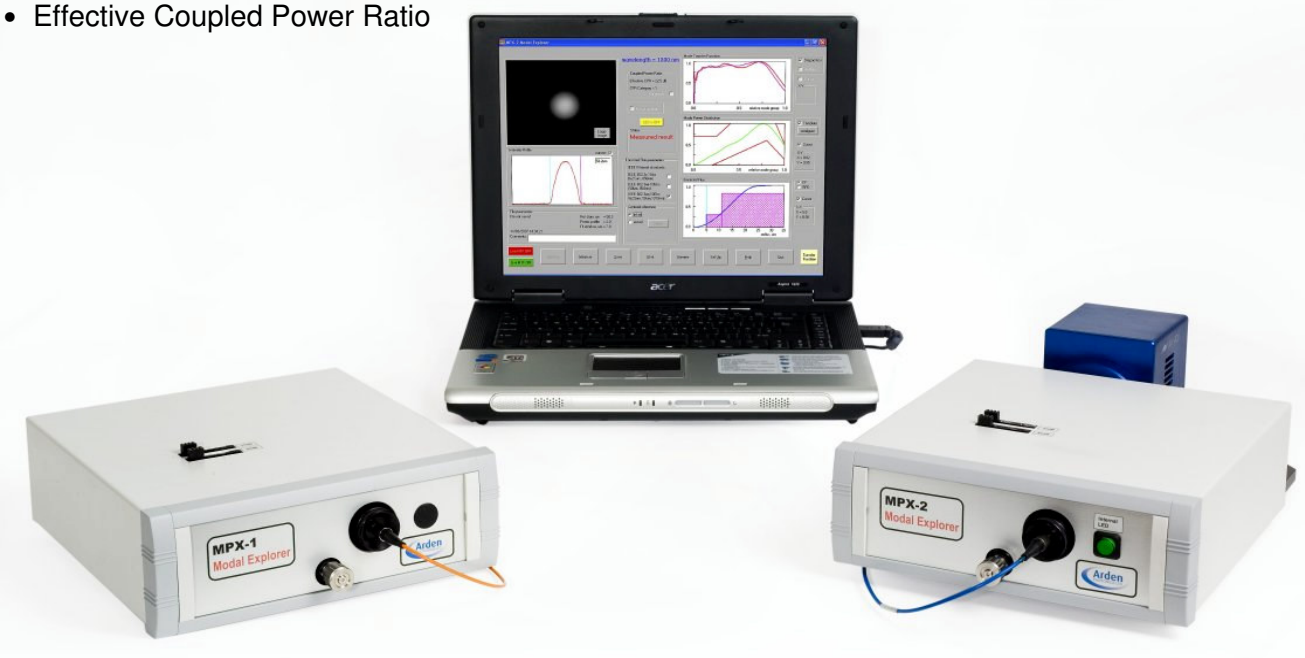
The MPX Modal Explorer

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

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



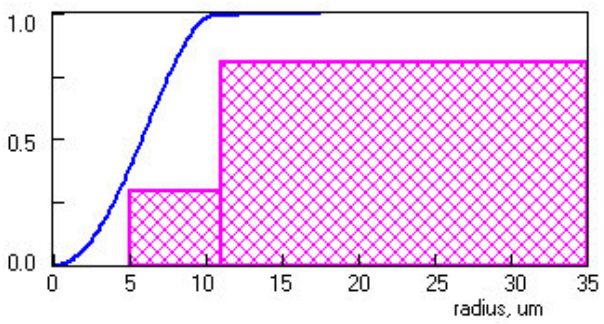
Product highlights:

- 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

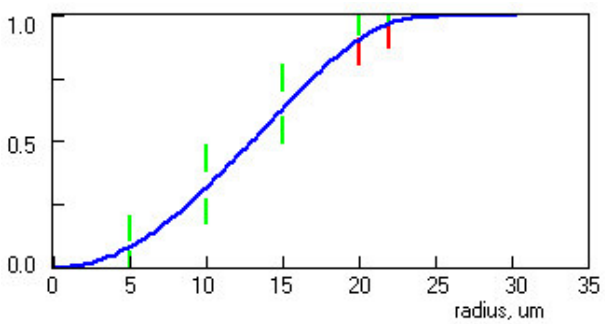
Applications include:

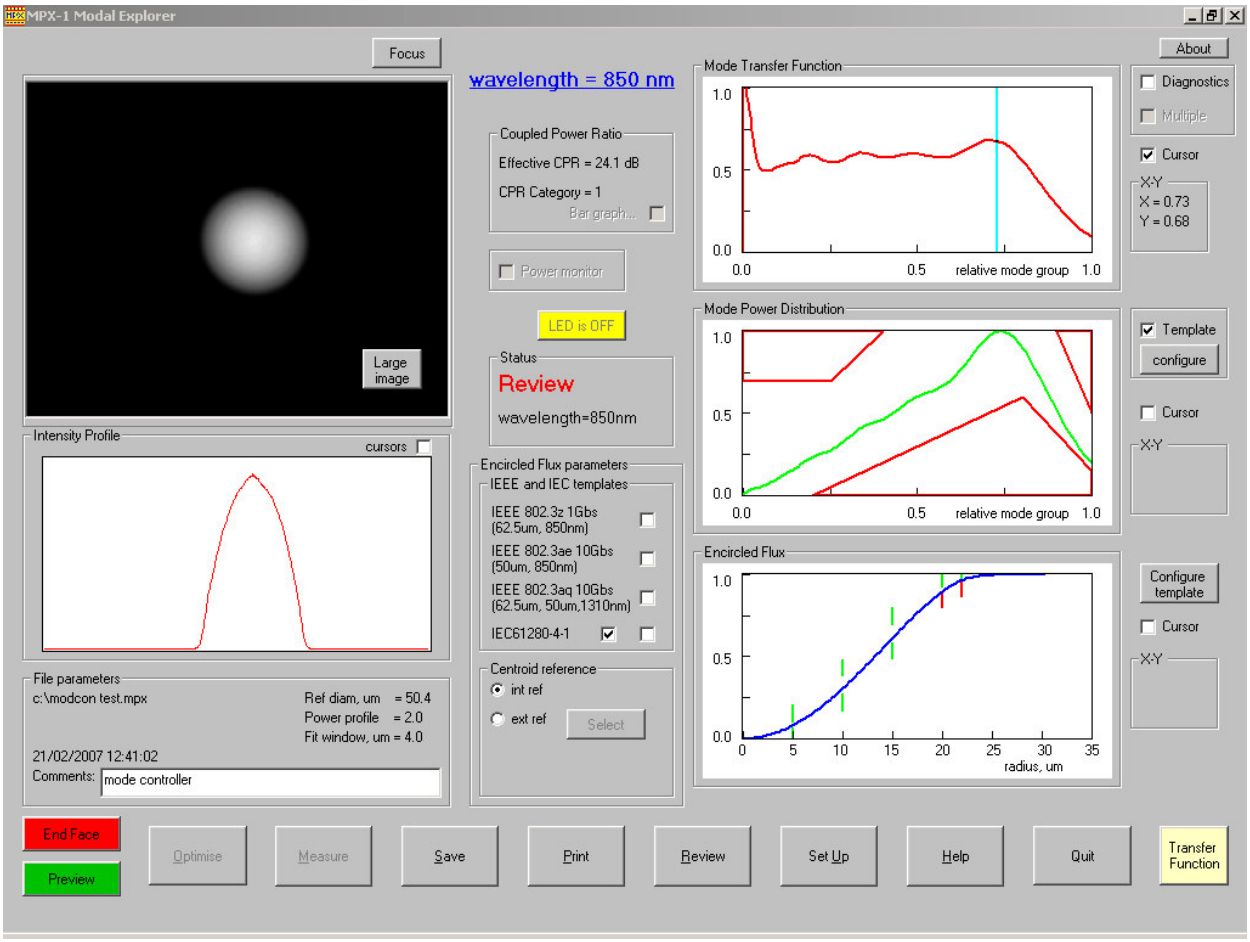
- Source and patchcord characterization for IEC11801 and TIA/EIA568 LAN testing
- Component transfer function measurements
- VCSEL characterization for Gigabit Ethernet IEEE 802.3
- Mode-scrambler and mode-filter characterization
- Connector inspection

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 power supply provided as standard
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

Contact : Arden Photonics Ltd, iBIC, Holt Court South, Aston Science Park, Birmingham, B7 4EJ, UK

tel +44 (0) 121 260 6410 sales@ardenphotonics.com www.ardenphotonics.com