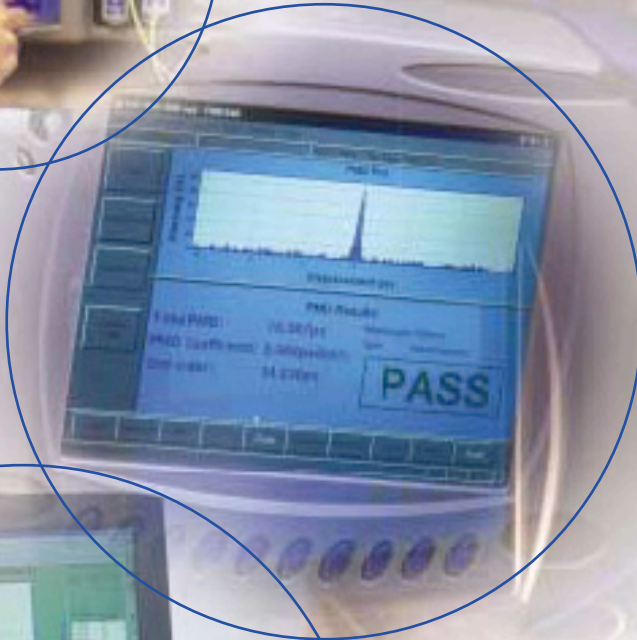


worldwide leader

fiber test solutions



PE.fiberoptics



Test and Measurement
Solutions from

PE.fiberoptics

PE.fiberoptics is a leading industry specialist offering a wide range of test equipment that will make a difference to your business performance. Superior technology, design and manufacturing ensure that our innovative products will help to resolve fiber characterisation and network problems quickly and efficiently.

Recognised for our award winning products, our aim is to provide our customers with equipment that will respond to and resolve the day to day challenges in both optical network applications and quality assurance laboratories. Our customized solutions meet the stringent demands of your network and our product support is second to none! With 20 years experience in providing advanced test and measurement solutions to the fiber optic industry, the staff at **PE.fiberoptics** are focused on High Performance Products, Reliability and unmatched Customer Support.

PE.fiberoptics

Optical Network Test Products

ONA600 Modular Optical Network Analyser

Our latest product in the network test range, the ONA600 mainframe operates with a range of measurement modules and offers superior performance and reliability when measuring network parameters. The ONA600 incorporates fully automatic operation with touch screen facility and is ideally suited for field environments. The integrated unit with a battery power option uses Windows™ operating system and has an optional digital video microscope for recording fiber end face condition at the time of measurement.



CD610 Chromatic Dispersion Module

- Patented direct measurement of dispersion
- 1250-1640nm wavelength coverage with high dynamic range
- Single fiber measurement • Multiple light source options

PMD610 Polarisation Mode Dispersion Module

- Nexus proven hardware with improved capability and modularity
- O, S, C & L Band coverage
- High dynamic range more than 60dB

SA610 Spectral Attenuation Module

- Measures spectral attenuation of fiber links
- 1250-1640 nm wavelength coverage
- High dynamic range

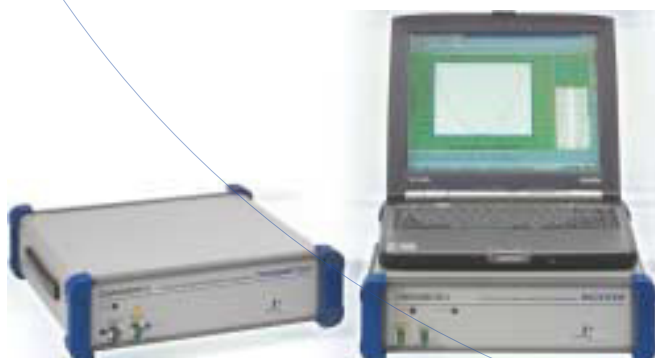
NEXUS-PMD Optical Network Polarisation Mode Dispersion Test Set

- Interferometric method with high accuracy
- Battery powered integrated unit with remote source
- Up to 57 dB dynamic range
- 0.05 to 130 ps PMD range
- Remote control capability
- Rugged design for optimum portability
- VM610 inspection microscope option



CHROMOS11 Optical Network Chromatic Dispersion and PMD Test Set

- Tunable Laser Source for ultimate accuracy and dynamic range
- Direct dispersion measurement over C and L bands
- Measurements in networks with multiple optical amplifiers
- Excellent resolution and accuracy over wide dispersion range
- Up to 60dB loss budget (dynamic range)
- Spectral attenuation option
- PMD measurement option (0.5 – 192ps range)
- VM610 inspection microscope option



FD440 Portable Chromatic Dispersion Test Set

- Separate transmit and receive units for installed cable measurement
- Optimised for CWDM and DWDM applications
- Fully portable for field and network testing
- Dynamic range up to 40dB
- 1310nm, 1550nm and L-band operation
- Applicable to all single mode fibers including NDS, DS, NZDS and DC designs
- Spectral attenuation option
- VM610 inspection microscope option



CHROMOS-TLS Portable Tunable Laser

- Full C and/or L band coverage (1525 nm – 1620 nm)
- Compact, portable, rugged design
- $>+3$ dBm output power
- Polarised output via PM Fiber
- $</ 0.1$ nm wavelength accuracy
- Programmable wavelength sequences

LS540 Series Fiber Optic Light Sources

- Stable, high power broadband sources for use in laboratory and field applications
- Simple, portable unit with integral polariser (optional)
- Ideal for PMD testing and numerous other applications
- Thermally controlled for power stability
- Battery power option
- 1310, 1420, 1550, 1620 nm



Optical Component Test Products

OCT8000 Optical Component Test System

- Analyses multiple parameters in a single scan
- Simultaneously measures up to 256 fiber channels
- Uses swept, fast scanning laser
- Integrated wavemeter
- Expandable, modular architecture
- Full remote control capability



CD400L Delay- Dispersion System

- Characterisation of full group delay ripple detail
- Transmission and reflection testing
- Fully integrated – will support up to four lasers for broad wavelength coverage
- High chromatic dispersion and delay accuracy with high dynamic range



Optical Fiber & Cable Test Products



CD400 Chromatic Dispersion System

- Direct dispersion readout and length measurement
- High speed measurements applicable to all single mode fibers including NDS, DS, NZDS and DC designs
- Solid state monochromator for accuracy and reliability in the 1250 nm-1630 nm range
- High accuracy and repeatability, options include PMD and strain/elongation skew

PMD4000 Polarisation Mode Dispersion Measurement System

- Fully integrated interferometric and wavelength scanning techniques
- Fast PMD measurements with high dynamic range
- Ultra low PMD option of 10 fs
- Full remote control for networked applications



CURL400 Fiber Curl Measurement System

- Measures degree of curl in fiber
- Measurement range : 0.7 to 999 m
- Resolution : <0.05 m @2.5 m
- Fast and efficient fiber preparation



SM400 Spectral Loss Monitoring System

- Applicable to components and fibers
- High speed, high repeatability and high dynamic range
- 1200 nm -1650 nm range



SPL400 Cable Strain Measurement Systems

- Fiber strain and elongation in single mode and multimode fibers, cable and ribbons
- Fiber length with millimeter resolution
- Transmitted optical power with multi-fiber testing options for cables
- Ribbon fiber skew measurement option

WS400 Spectral Attenuation System

- Spectral attenuation and cut off wavelength measurements
- Integrated mode field diameter (MFD) option
- Bare fiber interface
- Solid state monochromator for accuracy and reliability
- ELED sources for high dynamic range and longevity

MA400 Mode Field Diameter and Effective Area Measurement System

- Far field scan (reference) method
- Up to 60 dB dynamic range
- Tunable wavelength source
- Bare fiber interface
- Ergonomic viewing system with fiber position adjustment

LC400 Cut off Wavelength Measurement System

- Bend or multimode reference method
- Bare fiber interface, no moving parts
- 900 nm - 1650 nm wavelength coverage

SA400 Spectral Attenuation Measurement System

- 50 dB dynamic range
- Bare fiber interface
- Standard reference cut back technique





Accessories

FOstat Fiber Optic Statistical Analysis Software

- Full data gathering, sorting and record selection
- Instant access to sample data – mean, standard deviation and spread
- Full print out and report generation
- Automatic calculation of 'PMDQ' value from PMD data samples
- Calculation of link chromatic dispersion from CD data samples

X-change Interchangeable Fiber Optic Connectors

Interchangeable connector designed to replace existing fixed connectors on instrument panels permitting attachment of alternative connector types. Allows access to internal ferrule – no tools required for removal/replacement. Retrofitting to both *PE.fiberoptics* products and other brands.

VM610 Inspection Microscope for Fiber Optic Connectors

Available as an option on all *PE.fiberoptics* equipment. This versatile digital video microscope with direct interface to a fiber connector provides 400 x magnification with high quality image of fiber connector end-face condition. Ideal for logging connector condition during testing. USB connection compatible with many fiber test instruments.

Calibration Accessories

A range of calibration accessories are available for use with our main fiber optic test instrumentation– traceable where applicable to either NPL or NIST standards (see data sheet). Range includes :

CD406	Chromatic Dispersion Standard
PMD444	PMD Artefact
PMD445	PMD Emulator
PMD446	PMD Calibrator





For further information on any of the above instruments please contact:

PE.fiberoptics reserve the right to change or amend specifications without notice.

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