LAN Cable Testers
LAN/WAN Analysers
PDH/SDH Analysers
DSL/POTS Test Set
Light Sources & Power Meters
Fusion Splicers
OTDR, FC & Fibre Accessories
Fibre Optic Launch Cables & Patch Leads
Microwave Link Analysers

LAN Cable Testers cont’d.

Fluke DTX1800 Cable Analyser
900MHz Cat 7
FLU,DTX1800 (3260) AU/MY
Category 7 cable certification tester up to 900MHz. Tests to Category 3, 4, 5, 5E, 6, 6a and 7. Cable analyser for use with shielded and unshielded twisted pair Cat 6 Autotest time of 12 seconds. Linkware PC software, and USB cable included. Internal memory stores results. Optional multimode & single mode OTDR module.

Fluke DTX-MFM2 Multimode Fibre Adaptor for DTX Cable Analyser
FLU,DTX-MFM2 (3270) AU
Full featured multimode & single mode OTDR module that snaps onto a DTX Cable Analyser. Shoots and analyses traces on single mode 9mm and multimode 62.5 & 50nm fibre.

Fluke DTX Compact OTDR SM-MM
FLU,DTX-OTDR (3280) AU
Fluke DTX Permanent Link Adaptor Analyser
FLU,DTX-PLA (3295) AU/FLU,PLA001 Permanent Link Adaptor.

Fluke DTX-SFM2 Multimode Fibre Adaptor for DTX Cable Analyser
FLU,DTX-SFM2 (3297) AU/FLU,DTX1200/1800 single mode fibre interface. Use for testing fibre installations in local area networks. Fits in the slot on the back of DTX cable analyser (standard copper cable adaptors can be connected but not used simultaneously). Provides fibre testing and certification. Bi-directional testing at 1310nm and 1550nm at the same time. Measures optical power loss, length, and propagation delay for single mode fibres. Pass/fail results based on common fibre standards. SC optical connectors. Includes in built visual fault locator. (VFL)

Fluke Optiview Pro Gigabit 10/100/Gigabit LAN Analyser
FLU,OPTIVIEW-GIG (3227) AU
Provides network analysis on 10/100/Gigabit ethernet networks (multimode fibre & copper). Features active discovery in switched networks, full 7 layer analysis, ITO (Internetwork Throughput Option), trace switch route, free string match, reporting and documenting, address-to-name mapping, packet capture and decode, SNMP device analysis, RMON II traffic analysis, application level traffic analysis and much more.

LAN/WAN Analysers

EXFO AXS-200-850 Ethernet Test Set
EXF,AXS-200_850 (3228) AU/MY
For installing, turning up or maintaining ethernet and IP services. Bi-directional RFC 2544 testing. Applications include performance assessment of carrier ethernet services, activation and maintenance of metro ethernet networks, deployment of active ethernet (point-to-point) access services, traffic generation and monitoring for network performance testing Bit-error-rate testing (BERT) up to layer 4. Pass/fail results with user-defined thresholds. QoS, ToS and different capabilities.

EXFO ETS-1000L 10/100/1000 Ethernet Loopback
EXFO,ETS-1000L MY
Ethernet/Gigabit ethernet loopback unit ETS-1000L is intended for performing loopback at the physical, data link, network and transport layers of the OSI model. It allows carrying out loopback control via OAM protocol and remote control via TELNET protocol.

EXFO AXS-200-850 Gigabit LAN Analyser
FLU,ETHERSCOPE-EX (3228) AU
Performs 10 Gbps RFC 2544 measurements and EtherSAM (ITU-T Y.156sam), for turnkey deployment, validation, and troubleshooting of access and metro ethernet services. IPv6 testing capabilities BERT, RFC, traffic gen and through mode. NetBlazer offers GUI navigation, dedicated quick-action buttons, and clear notifications for accurate interpretation of test results.

EXFO FTB-860G NetBlazer 10G Ethernet Tester
EXF,FTB-860G (3223) AU
Performs 10 Gbps RFC 2544 measurements and EtherSAM (ITU-T Y.156sam), for turnkey deployment, validation, and troubleshooting of access and metro ethernet services. IPv6 testing capabilities BERT, RFC, traffic gen and through mode. NetBlazer offers GUI navigation, dedicated quick-action buttons, and clear notifications for accurate interpretation of test results.

Fluke Networks Etherscope Gigabit LAN Analyser
FLU,ETHERSCOPE-EX (3226) AU

Fluke Optiview Pro Gigabit 10/100/Gigabit LAN Analyser
FLU,OPTIVIEW-GIG (3227) AU
Provides network analysis on 10/100/Gigabit ethernet networks (multimode fibre & copper). Features active discovery in switched networks, full 7 layer analysis, ITO (Internetwork Throughput Option), trace switch route, free string match, reporting and documenting, address-to-name mapping, packet capture and decode, SNMP device analysis, RMON II traffic analysis, application level traffic analysis and much more.
Meet the future of 10G testing

Powerful, Comprehensive and Fast Multiservice Testing

The FTB-880 NetBlazer offers comprehensive and simple test suites for field technicians to easily turn up, validate and troubleshoot DSn/PDH, SONET/SDH and Ethernet services up to 10 Gbit/s in converged optical networks.

View product demo at www.EXFO.com

LAN/WAN Analysers cont’d.

Nettest Winpharaoh 2Mbps WAN Analyser
GNE.WINPHARAOH2.WAN (3232) AU
Description - WAN analyser up to 2 Mbit with the following interfaces: RS232, RS422, RS423, RS449, RS530, V.35, X.21/V.11. Has BERT testing for WAN. Full line rate capturing, statistical analysis, time stamping and emulation capabilities.

Spirent Communications SPT-2000A Test Centre
SPI.SPT-2000 (3242) AU
Network performance analysis systems that includes software and hardware components to simplify and accelerate the testing process from 10 Mb/s to 100 Gb/s. Multiple interface cards, mainframes and software packages available.

Spirent Smartbits SMB6000B with Interface Modules
SPI.SM6000 (3243) AU
High port density network performance analysis test system. Determine router and network performance including latency, latency variation and jitter. Can be used to load network with definable traffic to determine routing performance and discover throughput bottlenecks. Supplied with standard software and 30 day version of Smartflow application. 2x LAN-3101B, LAN-3201B, LAN-3310A interfaces included.

PDH/SDH Analysers

Digital Lightwave NICPlus 10G SDH Tester with Gb Ethernet
DLW.NICPLUS10G (3460) AU
Gigabit/OC-192/STM-64 Network Information Computer (5 slot chassis). Multirate interface for STS-1 OC-1/3/3c/12/12c/48/48c STM-0e/1e/0/1/1c/4/4c/16/16c and interface for OC-192/192c: STM-64/64c with the ability to monitor down to the STS-1/STM-0 level inside of any supported optical rate. Used for verifying and qualifying the performance of SDH and DWDM, and Gigabit Ethernet, telecommunications networks. Electrical and optical interfaces (1550nm for 10G, all other rates 1310/1550). Includes concatenated payload support and OC-48/STM-16 add/drop. G.709/975 OTU 1/OUT 2 FEC software installed 10.4 inch active matrix touch screen GUI operation. Measures optical power and frequency. PCMCIA slots available for memory cards and peripherals.

JDSU ANT 5 SDH/PDH Access Tester
JDSU.ANT5-STM4 (3446) AU

Save your time and reduce your real costs. Find out all about our Configuration and Download solutions on page 11.
**PDH/SDH Analysers cont’d.**

*Acterna ANT 5 Access Tester*

**ACT.ANT-5 - STM16** AU/MY

Smallest and lightest test solution for interfaces from 1.544Mbps up to 2.5Gbps. Optical testing at dual wave lengths at STM-1, STM-4, and STM-16. Electrical testing at DS1/E1/3DS3/E4 and STM-1 interfaces. Full analysis of concatenated mappings with SDH signals VC-4-4C, VC-4-16C. In-depth PDH analysis with Sabit generation and flexible MUX/DEMUX test configuration. Optical power measurement capability for easy detection of physical layer integrity. ATM analysis for service verification of ATM and 3G/UMTS networks testing new ATM services carried over PDH, SDH – ECLNRZ port enables nonintrusive direct monitoring of optical networks.

*JDSU/Acterna ANT 20 SDH/PDH Analyser*

**JDSU.ANT20** AU (3465)

Interfaces for PDH data streams at 2, 8, 34, & 140Mbs, and SDH at STM1 (155Mbs). Jitter and wander generators and analyser options are fitted. Internal PC with FDD for transferring results. Serial, parallel, keyboard and pen interfaces.

*JDSU EDT-135 E1 and Data Tester*

**JDSU.EDT-135** AU (3450)

Field service tester for commissioning, maintenance and troubleshooting of E1 PCM2Mbs and V.11/RS-442, V.24/RS-232, V.35/RS-449, EIA-530 data circuits operating at 50Bps to 2Mbs. Provides framed & unframed monitoring, end-to-end testing, drop & insert, channel associated signalling; error & alarm analysis, S bit, NFAS & NMFAS monitoring & generation. Round trip delay measurement, G.821, G.826 & M.2100 quality of service measurements. Signal level measurement & primary multiplexer testing.

*Aciterna MTS 8000/T-BERD Transport Module*

**ACT.MTS8000** AU/MY


*JDSU MTS8000 Transport Module*

**JDSU.MTS8000** AU (3499)

MITS8000 and Transport Module. This instrument is used for verifying and qualifying the performance of PDH, SONET/SDH telecommunications networks up to 10Gbs. Also supports the NewGen (ethernet over Sonet/SDH) and able to perform RFC2544, network connectivity, throughput, quality of service and SLAs.

Save your time and reduce your real costs. Find out all about our Configuration and Download solutions on page 11.
Light Sources & Power Meters cont’d.

**EXFO PON/FTTx Power Meter & Inspection Probe**

EXF, PPM352, FIP400 (3370) AU

Kit includes PPM-352B-EG-ER optimized for FTx E & GPON & FIP-400 inspection probe with handheld display. PPM352 has 10 user-definable threshold sets, as well as pass/warning/fail analysis features. Simultaneous measurement and display of all PON signals voice, data and video.

**Fluke FTK1000 Multimode Fibre**

Optic Light Source & Meter

FLU, FTK1000 (3365) AU

Light source is multimode 850nm and 1300nm. Power meter has 850/1300nm multimode and 1310/1550nm single mode. Manages results and print reports via Power meter memory, PC and supplied software.

**Fluke FTK150 Optical Fibre**

Light Source/Meter

FLU, FTK150 (3365) AU

Fibre test kit. Light source is multimode 850nm and 1300nm. Power meter has calibrated measurements at 850/1300nm multimode and 1310/1550nm single mode. +3dBm to -55dBm measurement range with 0.01dB resolution. Manages results and print reports via Power meter memory, PC and supplied software. Supplied with various connectors and patch leads.

**JDSU/Acertaina OLA-55 Single Mode Optical Attenuator**

ACT, OLA-55 MY

Adjustable wavelength from 1260 to 1650nm (1nm increments). Calibrated wavelengths 1310nm, 1550nm & 1625nm. Maximum permitted level =23dBm. Optical Interface: FC-PC.

**JDSU OLSP-55**

(BN 2279/01)

Optical Laser Source

JDSU, OLS-55 MY

Operates on dual wavelength of 1310nm and 1550nm. Output power is from -7 to 0 dBm. Optical Interface: FC-PC.

**JDSU Single Mode OLS**

OLP-35 Light Source & Power Meter

JDSU, OLS-OLP 35 (3361) AU

Light source (OLS-35) and power meter (OLP-35) fibre optic test set for single mode applications 1310 and 1550nm. OLS-35 has interchangeable FC, SC and LC adapters and -7dBm power output. OLP-35 has universal 2.5 and 1.25mm connectors, auto wavelength detection, internal data storage and report software included.

**Kingfisher 73410 2 Way Loss Test Set with ORL**

KIN, KI73410, LTS (3358) AU

Two-way insertion and Return Loss Test Sets for 1310, 1550 and 1625nm APC. Performs bi-directional loss measurements simultaneously. LTS are used to test cabling losses and single operator pass / fail operation in a PON type environment is easily achieved. Average fibre optic link loss and ORL from each end is automatically displayed in real time on both instruments, at multiple wavelengths via a single fibre. Applications include fibre optic attenuation, system power, ORL and Fibre Characterisation.

**Kingfisher KI78010 Single Mode APC LS and Ki7600 PM**

KIN, KI78010-7600 (3360) AU

Light source (KI78010) and power meter (KI7600) optical fibre test set for single mode network and DWDM testing at 1310, 1550 and 1625nm. LS (KI78010) has Angled SC, FC and ST interchangeable connectors. PM (KI7600) with InGaAs detector has large user memory and flexible real-time PC reporting software. Autotest provides automatic multi wavelength loss testing. Power meter can be used for multiple single and multimode wavelengths.

**Kingfisher KI7822B-76000A SM Light Source & Power Meter**

KIN, KI7822B-7600A (3362) AU

Light source (KI7822B) and power meter (KI7600A) optical fibre test set for single mode applications (1310nm and 1550nm). Power meter has large user memory and flexible real-time PC reporting software. Autotest provides automatic multi wavelength loss testing. The meter displays mW, µW, nW, dB, dBm to 0.01dB resolution, with no range changing delays. Power meter can be used for multiple single and multimode wavelengths.

**Kingfisher KI7827 Single Mode APC LS and KI7600 PM**

KIN, KI7827-7600 (3364) AU

L light source (KI7827) and power meter (KI7600) optical fibre test set for single mode applications such as FTTh (1310, 1490 and 1550nm). LS (KI7827) has Angled SC, FC and ST interchangeable connectors. PM (KI7600) with InGaAs detector has large user memory and flexible real-time PC reporting software. Autotest provides automatic multi wavelength loss testing. Power meter can be used for multiple single and multimode wavelengths.

**Fusion Splicers**

**Fitel S123M12 Ribbon Fusion Splicer**

FIT, S123M12 AU

Can splice from 1 to a maximum of 12-ribbon fibre. Protection sleeve shrink time is 35 seconds for ribbon fibre sleeve, while splicing requires only 15 seconds for 8 or 12 ribbon fibre allowing up to 160 splicing cycles (splicing/heating) by 2 battery packs installed in the main body.
Fusion Splicers cont’d.

Fitel S178 Fusion Splicer and S325 Cleaver
FIT,S178_S325 (3325) AU
S178 hand-held, core-alignment fusion splicer and S325 cleaver. Splicer provides typical losses of 0.02dB & 0.01dB on single & multimode fibre respectively. 7 second splice time, built in heater and tension test. Can be operated from battery or AC source. Precision fibre cleaver can be used with single and multimode fibres and features a built in sharps collection bin which automatically stores fibre off-cuts.

Fitel S325A Precision Fibre Cleaver
FIT,S325A (3324) AU
Can be used with precision splicers for single and multi mode fibres. Features a built in sharps collection bin which automatically stores fibre offcuts as each fibre is cleaved.

Fitel Fusion Splicer & Cleaver Kit
FIT,SPICER-CLEAVER (3328) AU
Contains the S177A splicer and S325A cleaver. Splicer provides typical losses of 0.02dB & 0.01dB on single & multimode fibre respectively. 9s splice time, built in heater & tension tester. Can be operated from battery or AC source. Precision fibre cleaver can be used with single & multimode fibres. Features a built in sharps collection bin which automatically stores fibre off-cuts.

Fujikura FSM60S Splicer & CT30 Cleaver
FUJ,FSM60S-CT30 (3328) AU/MY
For splicing multimode & single mode optical fibre. Battery and mains operated. Features splice protection heater, detachable work table and arc free calibration system. Includes CT30 fibre cleaver.

OTDR, FC & Fibre Accessories

See also LAN Cable Testers on page 22

Anritsu CMA4000 Single Mode OTDR
ANR,CMA4000SM MY
Includes mainframe and 1310/1550nm and 1625nm (38/40 & 39dB) single mode module (module part number TD-14M25003 Model 4453M). Instrument had built in FDD and supplied with SC/PC, FC/PC, and ST/PC connectors.

Anritsu CMA 4500 Single & Multimode 5/25dB OTDR
ANR,CMA4500SM-MM (3338) AU
Single mode and multimode OTDR. Includes wavelengths multimode 850/1300nm (24/26dB) and single mode 1310/1550 (35dB). Single mode port is SC/APC. Ethernet, USB connectivity, 20GB HD and PS2 ports. Touch screen and hard key interfaces.

Anritsu CMA 5000 Single Mode 43/45dB OTDR
ANR,CMA5000SM-45 (3342) AU
Single mode OTDR with SC/APC (angled) adaptor. 1310/1550/1625 Dynamic range 43/45/43dB. +20 dBm Meter and Light Source and VFL (Visual Fault Locator). OTDR has built in CD-R/W and 20GB hard drive. Dedicated touch screen and hard key user interfaces. Mains and battery operation, battery life >3 hours. 10/100MB Ethernet port for network connectivity. USB ports.

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OTDR, FC & Fibre Accessories cont’d.

new Anritsu MT9083B Access Master Single Mode
ANR,MT9083B (3338) AU
Complete testing of PON-based FTtx networks featuring up to 1x64 splits or single fibre runs. 1310, 1550 and 1625nm wavelengths. Intelligent analysis software identifies problem splices, connectors and even macrobends. Dynamic range up to 42dB. Active fibre verification. Store up to 1,000 traces in internal memory and up to 30,000 via your USB device.

Fibre Inspection Video Probe X 250 & 400 Magnification
FLU,FT650 (3348) AU
Fibre inspection probe for use with Fluke Optifibre OTDR. Has switchable 250 and 400 times magnification.

new Fluke Optifibre Multimode OTDR
FLU,OPTIFIBER-MM (3344) AU
Short range multimode OTDR designed for testing, troubleshooting and certifying fibre optics at 850/1300nm, 62.5µm and 50µm (requires 50µm launch cable). Unit has an SC interface. Typically 3 and 7Km range for 850 and 1300nm respectively, event dead zone from 0.5m and attenuation dead zone from 4.5m. Battery operated, 62.5µm launch lead and LinkWare download and reporting software included.

new Fluke Optifibre Single Mode OTDR
FLU,OPTIFIBER-SM (3345) AU
Single mode OTDR designed for testing, troubleshooting and certifying network fibre optics at 1310/1550. Equipment has SC interface and VFL. Typically, 60Km range for 1310/1550nm, event dead zone 1m and attenuation dead zone 8m. Battery operated, launch lead and LinkWare download and reporting software included.

new Fluke Optifibre Single Mode OTDR Module
FLU,OPTIFIBER-SM-MOD (3346) AU
1310/1550nm with SC connectors. Attenuation dead zone 1310/1550nm: 10.5m typical, 15m max. Event dead zone 1310/1550nm: 2.5m typical, 3m max. Maximum distance 10km. For use with Optifibre OTDR mainframe, launch lead included.

OTDR, FC & Fibre Accessories cont’d.

JDSU Fibre Inspection-Capture Probe
JDSU,FIBER_INSPECT (3340) AU
Handheld display, dual magnification (200/400x) probe and USB adaptor for fibre end-face image analysis and capture. Includes software and various probe tips.

JDsu ODM Optical Dispersion Measurement System
JDSU,MTS8000-ODM (3399) AU
An Optical Dispersion Measurement system combines chromatic dispersion (CD), polarization mode dispersion (PMD) and attenuation profile (AP) measurements for fibre characterisation of new technologies, such as CWDM/DWDM with ROADM and high speed 10GigE, 10Gbps and 40Gbps+ networks. Mainframe included. Requires separate light source.

Fibre Optic Launch Cables & Patch Leads

Launch Fibre Multimode 50µm 100m
FIB,LAUNCH MM 50UM (3380) AU
100 metres of 50µm OM3 fibre terminated with SC connectors. A launch fibre enables an OTDR to measure the loss of the first connector and adapts a 62.5µm OTDR to a 50µm network.

Launch Fibre Multimode 62.5µm 300m
FIB,LAUNCH MM 62.5UM (3382) AU
300 meter SC multimode 62.5µm launch fibre.

Launch Fibre Single Mode 9µm
FIB,LAUNCH SM 9UM (3378) AU
Single mode 9µm SC launch fibre.

Microwave Link Analysers

Anritsu ME538 MLA TX & RX Microwave Link Analyser
ANR,ME538M (3485) AU
Measures group delay, modulator/demodulator linearity & sensitivity, differential gain & phase, IF/BB amplitude response, IF/BB return loss, frequency spectrum & deviation, am to pm conversion coefficient, power, gain attenuation and DC characteristics. Features: LED display, autorange CRT, push button parameter selection and remote monitoring. 70/140MHz bands: 83.333, 250, 500kHz & 2.4, 3.58, 4.43, 5.6, 8.2, 12.39MHz.

RENTAL PURCHASE OPTION

Our rental with purchase option scheme is available to approved business customers.

Generally the rates quoted on the rental purchase option are based on a 12 month rental period after which you may purchase the equipment by paying an amount equal to month’s rental. However these plans can often be tailored to suit your particular timeframe requirements.

The equipment listed in both our periodical email sales and most products in our rental fleet can take advantage of this option. If you have any questions about this scheme or the type of equipment that would apply please call our technical representatives to discuss your requirements.
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Milcom Communications Pty Ltd
Unit 10, 64 Talavera Road North Ryde NSW 2113
Training Hotline: 1300 369 320
Phone: +61 2 9889 1177  Fax: +61 2 9889 1188
www.milcom.com.au