

laser modules

on LU0977M250-
ed pump laser
s provide up to
ee power. The
n greatly re-
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he small Mini-
t 7x13 mm with
f 5 mm.
www.lumics.com

tunable laser

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s.com

offerings

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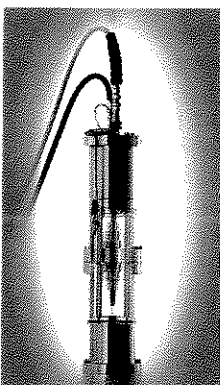


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SA transpon-
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rp NRZ, and
extend network

olutions S.p.A.,
nd.com

Fibre-optic rotary joints

Fibre-optic rotary joints for single-
mode and multimode fibres are
pressure-compensated for sub-
marine applications. Two ver-
sions are available: a fluid-filled



and pres-
sure-compen-
sated system
up to 6,000
psi/400 bar,
and a pres-
sure-tight sys-
tem including
dynamic seals
for dry use
up to 3,000
psi/200 bar.
The systems
can support

from four to 21 optical channels,
with transmission rates greater
than 10 Gbit/s at 100 rpm and
less than 3.5-dB insertion loss.
**SCHLEIFRING und Apparatebau
GmbH, www.schleifring.com**

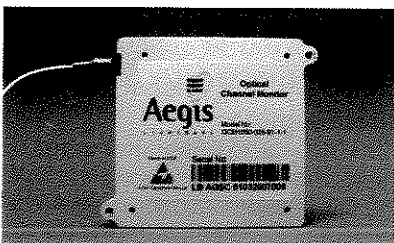
GPON OLT/ONT transceiver

WTD's GPON product portfolio
includes both an SFF diplexer
and a 2x2-inch triplexer for the
optical network terminal (ONT)
side and SFF or SFP for the opti-
cal line terminal (OLT) side. The
devices are compliant with ITU-T
G.984.2 Class B+ and can offer
28-dB power budget and 20-dB
dynamic range. The triplexer mod-
ule is suitable for FTTP networks
providing triple-play services. All
GPON transceivers can support
Digital Diagnostics Monitoring
and work in the industrial temper-
ature range.

**Wuhan Telecommunication
Devices Co. Ltd., www.wtd.com**

SUBSYSTEMS**Optical channel monitor**

The optical channel monitor (OCM)
product line is suitable for OEMs
looking to achieve the neces-
sary cost targets for embedded
DWDM monitoring for reconfigu-
rable optical add/drop multiplexing
(ROADM), multihaul, and third-
party wavelength applications. The
OCM is designed using proprietary
tunable thin-film filters. This ap-

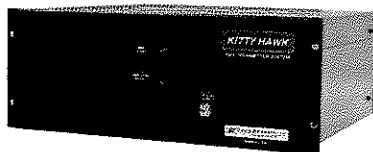


proach provides the ultrahigh re-
liability of a nonmechanical and
monolithic semiconductor.

**Aegis Lightwave Inc.,
www.aegislighthouse.com**

10G DPSK/OOK transmitter

An optical 10 Gbit/s transmit-
ter, which generates differential
phase-shift keyed (DPSK) and
on/off keyed (OOK) signals, in-
cludes a wide tuning range, pulse-
pattern generator, and optical
Mach-Zehnder modulators with cor-
responding driver amplifiers. The
transmitter allows users to choose

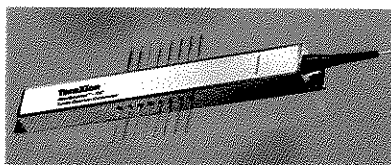


between NRZ-OOK, RZ-OOK, NRZ-
DPSK, and RZ-DPSK. The device
supports data rates up to 12.5
Gbit/s and provides a tuning range
of 1,528 to 1,567 nm.

**Discovery Semiconductors Inc.,
www.chipsat.com**

**Static dispersion
compensators**

The ClearSpectrum static disper-
sion compensator product suite
features the DCMX, a passive
low-insertion-loss module that al-
lows system vendors to save on

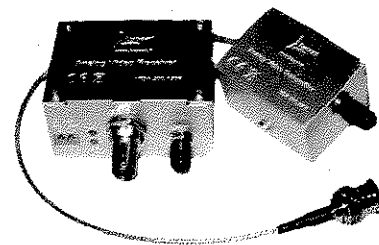


amplification costs for in-line ap-
plications, as well as the DCX,
a compact athermal FBG pack-
age. Tunable offerings include the
TDC, an OEM tunable dispersion
compensator, and the TDCM, a
complete tunable dispersion com-
pensation module that includes
an optical circulator and elec-
tronic control.

TeraXion, www.teraxion.com

SYSTEMS**POF-based video
transmission system**

The VIDA 300 is the latest release
of Luceat's plastic optical fibre
(POF)-based video transmission
system. VIDA works with any ana-
logue CCTV camera to transmit
video signals over long distances
(up to 300 m). Suitable for CCTV,
video surveillance, monitoring of



industrial processes, and vision
systems, it couples the smallest
cable size with EMI immunity, 30-s
cable termination, and competitive
pricing.

**LUCEAT S.p.A.,
www.luceat.it**

TEST EQUIPMENT**Handheld OTDR**

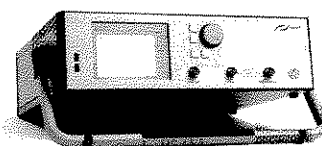
The new Noyes OFL250, a single-
mode handheld optical time-domain
reflectometer

(OTDR), fea-
tures an inte-
grated optical
power meter
(OPM), laser
source (OLS),
and visual fault
locator (VFL) in
a configuration
weighing only
0.8 kg (1.7 lb).
With short dead
zone and mid-
range dynamic range performance,
the OFL250 is well suited for test-
ing optical fibres in service provider
metro areas and FTTH networks.
The OTDR supports automatic and
manual setup, precision event analy-
sis, and multiple-wavelength test-
ing; it also features 12-hr battery
life, internal data storage, and USB
connectivity.

**AFL Telecommunications,
www.afltele.com**

Optical component analyser

The N7788A optical component
analyser uses proprietary technol-
ogy that advances Jones-Matrix-



Eigenanalysis (JME), which is the
standard method for measuring po-
larisation-mode dispersion (PMD)
or differential group delay (DGD) of
optical devices. The analyser sig-
nificantly reduces test time for a
comprehensive characterisation of
optical components on manufac-
turing floors and

Cont. on pg 36 ▶