



Precision Rated Optics

Work with a PRO!

OFT-8 Series Super-Tech



The OTDR that has an 8-Channel CWDM Channel Analyzer, Optical Loss Tester, Visual Fault Locator, Inspection Scope and much more!

The "Super-Tech" All-in-One Optical Unit combines six essential tools. It includes an 8-Channel CWDM Channel Analyzer, 1310/1550nm Light Source, VIP port, VFL, Power Meter and Singlemode 1310/1550 OTDR for the ultimate in flexibility.

The 4" TFT display makes navigating the interface quick and easy. The Channel Analyzer features a 1/4-second refresh rate while scanning the top eight CWDM channels on the ITU grid (1471-1611nm). The Singlemode OTDR works at the 1310 and 1550nm wavelengths and can store 500 trace results, which can then be transferred via USB and managed with the included Telcordia SR4731 software.

The "Super-Tech" Optical Unit is manufactured, sold, serviced and supported in the USA. It comes standard with a 1-year manufacturer's warranty, FC, ST and SC adaptors, an AC/DC adaptor and soft carrying case.

- Rugged Case with Impact-Resistant Boot for Durability
- Onboard Help Database for Easy Operation
- 4" TFT Color Display for Quick Data Interpretation
- Long Battery Life for Lengthy Service Calls
- USB/PC and USB Flash Ports for Easy Data Transfer

OTDR

Wavelength	1310, 1550 nm
Dynamic Range	36 / 34 dB (SM)
Pulse Width	5 ~ 20,000 ns
Units of Measurement	km, kf, mi
Event Dead Zone	1m
Attenuation Dead Zone	4m
Resolution	.125 ~ 32m
Distance Measurements	± (0.75m + 0.005% x distance + sampling resolution)
Full-Distance Accuracy Range	1-180km Singlemode
Typical Real-Time Refresh Rate	2 Hz
Group Index of Refraction (GIR)	1.024 - 2.048
Linearity	± .05 dB/dB
Connector Styles	FC, ST, SC Interchangeable
Memory Capacity	500 Traces

Power Meter Specifications

Detector Type	InGaAs
Connector Types	FC, ST and SC
Dynamic Range	+5 ~ -77dB (CATV) +25 ~ -57dB
Calibrated Wavelengths	850,1300,1310,1490,1550,1625nm
Units of Measurement	dBm, dB
Resolution	.01 dB
Power Measurement Uncertainty	± 0.18 dB (under reference conditions), ± 0.25 dB from 0 ~ -65 dBm, ± 0.35 dB from 0 ~ +5 dBm and from -65 ~ -77 dBm
Auto Test Range	0 ~ -40dB

Light Source Specifications

Fiber Type	SM/MM
Wavelengths	850, 1300, 1310, 1550 nm (±20nm)
Output Power	0 dBm (-3dBm @ 1550nm)
Laser Safety Classification	Class I Safety Per FDA/CDRH and IEC-825-1 Regulation
Modulation Modes	CW, 270 Hz, 1,000 Hz, 2000 Hz

CWDM Channel Analyzer

Wavelength Range	8-Channel 1471 ~ 1611nm
Channel Spacing	20nm
Channel Pass Band	±6.5nm
Channel Power Range	+5dBm ~ -50dBm
Absolute Accuracy	±1 dB
Max Composite Power	+23dBm
PDL	±0.2dB
Adjacent Channel Isolation	30dB
Measurement Time	< 1/2 Second
Readout Resolution	0.01dB
Return Loss	>40dB
Optical Interface	Universal UPC (FC/SC)
Graphical Display	Bar Graph and Table View
Memory Capacity	1,000 Scans

Visible Light Source

Emitter Type	Laser Photo Diode 1100 ~ 1700nm InGaAs-70 ~ +9dBm with Interchangeable FC Adaptor
Wavelength	650nm (±5nm)
Connector Type	2.5mm Universal
Output Power	1mW Max.

Super-Tech OTDR Standard Package Includes:

OTDR, Universal Power Adaptor w/US, UK, CE and AU Plugs, FC, ST and SC Adaptors, Windows/Telcordia SR4731 Software, Rubber Boot, USB Cable, Manual on CD

Ordering Information

OFT-8CW-35SMFP	8 Channel CWDM w/ SM OTDR, VFL, LTS & VIP Port
OFT-8CW-35SMVFP	8 Channel CWDM w/ SM OTDR, VFL, LTS, VIP Port, Probe & Soft Case

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