

OFT-820 POF series

Plastic optical fiber - Loss Test Set

Description:

The OFT 820-POF series Loss Test Set is designed for POF – Plastic optical fiber network testing. It combines two optical test equipments – Light Source and Power Meter in the same box. The optical Light Source fulfills all the necessary technical requirements for field POF network measurements. The source sends optical light into both fibers of duplex output interface, available in working wavelength 650 nm. The optical Power Meter is designed to measure absolute or relative optical power in POF networks.

The memory capacity allows storage and uploading of up to 3000 measurements including memory position or fiber number, wavelength, absolute value or relative value and insertion loss. The SmartProtocol PC evaluation software supports memory download and test report generating. The rechargeable battery ensures long term working with a minimum life time of 5 years.



Features:

- POF testing
- Small size, light weight
- Duplex Optolock 2.2 mm IN/OUT interface
- High capacity memory
- SmartProtocol PC software
memory download
reporting solution
- USB port
- Absolute and Relative optical power measurement
- Displayed units: dBm, dB, W
- Powered by built-in rechargeable battery
- Auto Off
- Battery status indicator

Standard accessories:

- Loss Test Set
- SmartProtocol PC software
- Power charging adaptor
- Traceable calibration certificate
- Soft carrying case
- USB connection cable

Specifications

Power meter		Note:
Photodetector	3 mm SI	
Working wavelengths	650 nm, 850 nm	can be customized
Uncertainty	± 5%	
Resolution	0.1	
Dynamic range	-30 dBm to +10 dBm	650 nm
Light Source		
Output power		
LD 650 nm	-5 dBm	
Stability (1 hour, delta/2):		
LD 650 nm	± 0.03 dB	tested after 20 min warm up temperature 23 ± 1°

Loss Test Set		
Dimensions	165 x 80 x 40 mm	with universal adapter
Weight	250 g	with battery
Temperature operating storage Humidity (non condensing)	-10 to +50 °C -40 to +70 °C 0 – 95%	
Battery working time	> 20 hrs	backlight off
Battery life time	> 5 years	2700 mAh NiMH

Compliant with RoHS-requirements (2002/95/EG, 27.01.2003)

Ordering Code:

OFT 820-POF - xx - Wavelength							
<table> <tr> <td colspan="2">Connector type (Light source) *</td> </tr> <tr> <td>OL2</td> <td>OptoLock 2.2 mm</td> </tr> </table>	Connector type (Light source) *		OL2	OptoLock 2.2 mm	<table> <tr> <td>Light source</td> </tr> <tr> <td>as below</td> </tr> </table>	Light source	as below
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OL2	OptoLock 2.2 mm						
Light source							
as below							

*) Note: Other types of connectors – on request

light source code	description	application
LD650	650 nm LD	POF testing

Ordering example:

OFT 820-POF – OL2 – LD650 laser diode 650 nm, OptoLock 2.2 mm adaptors