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OFT-820N-POF series
Plastic optical fiber - Loss Test Set

Description:

The OFT-820N-POF series Loss Test Set is designed for POF – Plastic Optical Fiber network testing. It combines two optical test equipment – Light Source and Power Meter in the same box. The tester can be used as portable power meter or as USB probe, part of testing workstation. The optical Light Source fulfills all the necessary technical requirements for field POF network measurements. The source sends optical light into output interface, available in working wavelengths 650 nm and 850 nm at separate OUT ports. 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 rechargeable battery ensures long-term working with a minimum lifetime of 2 years.

The removable and changeable IN/OUT adapters allow easy maintenance and cleaning of both ports, making the tester to be universal in wide range of applications with various POF connectors. Design of both input and output adapters is the same.



OFT-820N-POF

Illustrative picture

Features:

- Two functions:
  - Portable power meter
  - USB probe – accessory of Testing Workplace, full control via simple commands
- POF testing
- Small size, light weight
- Easy exchangeable adapters – source and power meter:
  - Set of POF adapters: HFBR, universal 2.5 mm ferrule and universal 2.2 mm POF cable, SMA
- High-capacity memory
- Absolute and Relative optical power measurement
- Displayed units: dBm, dB, W
- Powered by built-in rechargeable battery
- Contrast display with backlight
- Battery status indicator, Auto Off function

Standard accessories:

- Three sets of standard IN/OUT adapters
  - 2x LS
  - 1x PM
- USB-C connection cable
- Hard carrying case, TE-HC-03, 265x270x90 mm
- Calibration certificate

Options:

- SMA adapters

Adapters set:

Standard:



TE-APF-HFBR



TE-APF-250



TE-APF-220

Options:



TE-APF-SMA

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Power Meter			**Note:**
Photodetector	3 mm Si		
Working wavelengths	650 nm, 850 nm		can be customized
Uncertainty	± 5%		
Resolution	0.01		
Dynamic range	-65 dBm to +10 dBm		650 nm, 850 nm
Light Source			
Wavelength	650 nm, 850 nm		
Output power	0 dBm		
Stability (1 hour, delta/2):	± 0.03 dB	tested after 20 min warm up temperature 23 ± 1°	
Loss Test Set			
Dimensions	165 x 80 x 50 mm		with universal adapter
Weight	350 g		with battery
Temperature operating storage Humidity (non condensing)	-10 to +50 °C -40 to +70 °C 0 – 95%		
Battery working time	> 80 hrs		backlight off
Battery life time	> 2 years		3000 mAh LiPol

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

Ordering Code:

OFT-820N-POF

Loss test Set, 650+850 nm working wavelengths, 3 sets of standard POF IN/OUT adapters

Power meter control from PC:

Download the PMv13 SW application from:
https://www.optokon.com/category/60-software-manuals

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