

LS-240-MTP Multifiber Optical Light Source



Description:

The LS-240-MTP multifiber optical Light Source is designed for testing of patchcords and cables terminated with multifiber MTP/MPO connectors. The portable testing device fulfils all necessary technical field equipment requirements.

LS-240-MTP can send light one by one into all 12/24¹ fibers of MTP/MPO connectors, the switching process can be made manually or automatically. Together with PM-240-MTP power meter can measure Insertion loss in all 12 fibers at same time, in addition it is able to check the polarity status of fibers interconnection between both MTP connectors. It is possible to define polishing style angled/flat and male/female (with alignment pins or without pins)

The rechargeable battery ensures long term working with a minimum life time of 2 years. Batteries can be charged via a USB port. The microprocessor controlled charging process ensures optimal battery status and extended operation time.



LS-240-NMTP12M-LD55

Note: 1) 24 fibers tester available on request

Features:

- Hand held, light weight
- Multifiber MTP/MPO connectors testing
- No Fanout patchcords required
- Single or dual wavelength
- Manual switching through all fibers or Cycle mode
- Can be controlled remotely via USB
- Large display with backlight
- Powered by Li-Pol battery with status indication
- Battery charging via USB port

Standard accessories:

- Power charging AC/DC adaptor
- USB cable
- Calibration certificate
- Hard carrying case
- Rubber cover

Specifications:

Number of fibers	12/24
Wavelength: single λ	850, 1310, 1550 nm
dual λ	850/1300 or 1310/1550 nm
Output power	> -10 dBm
Stability (1 hour, delta/2):	Tested after 20 min warm up, temperature 23 ± 1 °C
850, 1300 nm	± 0.1 dB
1310, 1550 nm	± 0.05 dB
Dimensions	200 x 100 x 50 mm
Weight	340 g
Temperature operating	-10 to +50 °C
storage	-40 to +70 °C
Humidity (non condensing)	0 to 95%
Battery working time	> 100 hrs
Battery life time	> 2 years
Compliant with RoHS-requirements (2002/95/EG, 27.01.2003)	

Note:

Application:

- Optical network measurements
- Fiber continuity testing
- Polarity test

Ordering Code:

LS-240	-	(N)MTPxx	(F,M)	-	Light source
		NMTP angled MTP flat	F – female, no pins M – male, pins		Light source as below:
		Fibers: xx 12/24			

light source ² code	description	ports	application
LD850	850 nm LD - VCSEL laser	1	MM fiber testing
LED850	850 nm LED	1	
LED30	1300 nm LED	1	
LD850-LD30	850 nm LD + 1300 nm LD	1	
LD31	1310 nm LD	1	SM fiber testing
LD55	1550 nm LD	1	
LD31-55	1310 + 1550 nm LD	1	

Note: 2) output power of dual wavelenghts port is 3 dB lower than specified
LD– Laser Diode (LD850 – VCSEL laser)
LED – Light Emitting Diode

Ordering example:

LS-240-NMTP12M-LD55 MTP APC connector, male-pins, 12 fibers SM light source 1550 nm



LS-240-MTP / PM-240-MTP measurement