LS-800N
Optical Light Source

The LS-800N is OPTOKON test equipment designed for thorough fiber line diagnostics. The light source is available in various wavelengths. The model with one or two outputs with two light sources on each port provides a maximum of 4 wavelengths in one device. The Light source is equipped FC output adaptor as standard. The changeable adaptor design allows the simple exchange of optical connectors according to actual needs.

Automatic wavelength detection

The automatic wavelength detection (AWD) mode enables to use the OPTOKON Light Source and Power Meter without manually switching the measured wavelength and prevents faulty measurement.

Cycle mode

The cycle mode allows the device to automatically toggle between available wavelengths.

Features:

- Standalone light source
- Up to 4 channel light source
- Modulation CW, 270 Hz, 1 kHz, 2 kHz
- Auto Wavelength Detection mode, Cycle mode
- Removeable output adaptors – easy maintenance
- Auto Off feature

Standard accessories:

- Set of output adapter: FC, SC, ST
- USB-C cable
- Calibration certificate
- Power charging adapter
- Hard carrying case
- Li-Pol battery

Output adapters

TE-ALS-FC

TE-ALS-SC

TE-ALS-ST

Options:

- Master patchcord
- Master adapter

Application

- Link Loss Characterization
- Fiber Detection
- Continuous fiber testing
- Visual fault locator

TE-HC-03

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Technical specifications:

General specifications	Value	Unit	Note
Dimensions	165 x 80 x 40	mm	with TE-ALS-FC adapter
Weight	250	g	with battery
Operation temperature	-10 to + 50	°C	
Storage temperature	-40 to + 70	°C	
Humidity (non-condensing)	0 to 95	%	

Light source specifications:

Code marking	Wavelength [1] [nm]	Output power [2] [dBm]	Stability[3] [dB]	Note
60	650	0	N/A	Visible light
85	850	0	± 0.03 dB	Multimode fibers testing
30	1300	0	± 0.05 dB	
31	1310	0	± 0.05 dB	Single mode fibers testing
49	1490	0	± 0.05 dB	
55	1550	0	± 0.05 dB	
62	1625	0	± 0.05 dB	

Ordering code:

LS-800N	-	λ1- λ2	/	λ1- λ2
		port 1, λ1 port 1, λ2		port 2, λ1 port 2, λ2

Select code from light source specifications table above

Standard models:	
LS-800N-31-55	port: 1310 nm + 1550 nm
LS-800N-65/85	port1: 650 nm. port2: 850 nm
LS-800N-85-30	port: 850 nm + 1300 nm
LS-800N-85-30/31-55	port1: 850 nm + 1300 nm, port2: 1310 nm + 1550 nm

[1] Additional wavelengths are available on request

[2] Output power for dual wavelength port is 3 dB lower

[3] Tested after 20 min warm up, temperature 23 ± 1 °C

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