DLS 655

Dual, Triple, or Quad Light Source

The DLS 655 optical light source provides multiple wavelength options to meet modern fiber optic testing needs. The base model outputs 1310 and 1550nm wavelengths in either single or dual mode. Triple and Quad units are also available.

When combined with the RP 560 model optical power meter, this light source can greatly reduce the time needed to test fiber cables with its automated wavelength switching feature. The unit periodically switches between available wavelengths, and the power meter recognizes each time the switch occurs, allowing multiple loss tests to be completed simultaneously.

Easy removal of the included SC adapter allows the light source ferrule to be cleaned, preventing contamination of test jumpers. Additional adapters are available.

This device maintains full compliance with all FDA and CFR standards for light-emitting products.

Features

- Small form-factor for fast, simple testing in the field
- Single output port ensures faster switching when testing at multiple wavelengths
- NIST-traceable laser output
- 2kHz, 1kHz, and 270Hz tone modulation
- Long-lasting AA batteries

Combine DLS 655 with the RP 560 optical power meter to perform fiber testing with automated switching.

Simultaneous dual or triple wavelength transmission cuts testing time in half.

Quick-change adapters allow users to adjust the DLS 655 output to match their testing situation. See next page for full list of adapters.

Hard-sided, padded carrying case included.

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Specifications

SINGLEMODE/MULTIMODE LIGHT SOURCE	
Wavelength	Several options available, see chart below
Output Power	-5.0 dBm (SM), -22.0 dBm (MM)
Output Stability	±0.05dB (1 Hour) ±0.03dB Long-Term (15 min warm-up)
Spectral Width	5nm
Optical Interface	SC/FC/ST/LC Interchangeable
Tone Output	2 kHz, 1kHz, 270Hz
Laser Class	Class 1 (FDA 21 CFR 1040.11)
Power	Push Button Toggle
Battery	AA - 2 Alkaline Batteries Included
Operating Temperature	-10° to +50° C
Storage Temperature	-30° to +60° C
Dimensions	5.8cm x 21.5cm x 3.0cm
Weight	6 oz

Ordering Information

PART NO.	WAVELENGTHS	DESCRIPTION
DLS655	1310nm & 1550nm	Singlemode dual wavelength laser source
DLS655-01	1310nm, 1490nm, & 1550nm	Singlemode triple wavelength laser source
DLS655-02	1310nm, 1550nm, & 1625nm	Singlemode triple wavelength laser source
DLS655-03	1490nm & 1625nm	Singlemode dual wavelength laser source
DLS655-04	1550nm & 1650nm	Singlemode dual wavelength laser source
DLS655-05	850nm, 1300nm, 1310nm, & 1550nm	Singlemode and Multimode quad laser source
DLS655-06	1310nm, 1550nm, 1490nm & 1625nm	Singlemode quad wavelength laser source

Accessories

Light Source Adapters

PART NO.	DESCRIPTION
AC 022B	SC Adapter
AC 023B	FC Adapter
AC 024B	ST Adapter
AC 025B	LC Adapter

Patch Cord Accessories

PART NO.	DESCRIPTION
AC 500	SM SC-LC - 1m Simplex
AC 501	SM SC-SC - 1m Simplex
AC 502	SM LC-LC - 1m Simplex
AC 600	SC-SC Simplex Bulkhead Adapter
AC 601	LC-LC Simplex Bulkhead Adapter
AC 602	LC-LC Duplex Bulkhead Adapter

Cleaning Tools

PART NO.	DESCRIPTION
AC 089	One-Click Cleaner for 1.25mm & ODC Ferrules / Bulkheads
AC 099	One-Click Cleaner for 2.5mm Ferrules / Bulkheads
AC 090	1.25mm Swabs (100 per Pack)
AC 091	2.5mm Swabs (100 per Pack)
AC 092	SqR Pad & Fiber Wash Pen
AC 190	Cletop Cleaner - Type B - Blue Tape

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