

TFS-201

Optical Light Source

- 1310 nm / 1550 nm Operation with SC, FC, or ST Style Ports
- CW, 30 Hz, 500 Hz, or 2 kHz Modulation
- Simultaneous Outputs
- Temperature Stabilized Outputs
- Rugged Construction
- Long Battery Life with Quick-Charge Mode

Overview

When performing attenuation tests on fiber links, it is necessary to have a stable source of light on which to base measurements. The TFS-201™ Optical Light Source provides the stability needed to allow accurate testing.

Trilithic's new TFS-201 Optical Light Source allows simultaneous operation of both outputs or individual operation with either CW, 30 Hz, 500 Hz, or 2 kHz modulation for use with leak detectors or fiber identifiers. The optical light source operates at 1310 nm or 1550 nm with ST, SC & FC adapters.

When the optical light source is used in conjunction with the TFS-301™ Optical Power Meter relative measurements can be made to accurately determine fiber loss.

Rugged Construction

The optical light source is specifically designed with the field technician in mind providing a long battery life and rugged construction that includes high impact rubber bumpers, weather resistant membrane switches, and a durable powder coat finish further protecting the light source.



Quick-Charging

The TFS-201 Optical Light Source is powered by either four AA alkaline batteries or an AC/DC adapter with four AA NiMH batteries (both the adapter and NiMH batteries are included).

In addition to standard charge mode, the unit features an emergency quick-charge mode that allows the user to charge the batteries in approximately 1 hour.

TFS-201

Optical Light Source

SPECIFICATIONS

Emitter	Laser
Port Style	ST, FC, SC, others available
Fiber Size (MAX)	100/140
Wavelength	1310 nm, 1550 nm
Power	-8 dBm
Modulation	CW, 30 Hz, 500 Hz, or 2 kHz
Stability	±0.1 dB/8hr typical
Bandwidth	5 nm
Operating Temperature	0°C to +50°C
Storage Temperature	-10°C to +60°C
Humidity	10% to 90%, non-condensing
Power	4 x AA NiMH or Alkaline Batteries, 120 VAC / 60 Hz
Battery Life	8-10 hours typical
Charge Time	Trickle Charge - 16 hours typical Quick Charge - 1 hour typical
Physical Specification	Size - 7" x 3.5" x 1.3" Weight - < 1lb.

INCLUDES THE FOLLOWING:

Optical Light Source
AC to DC Adapter/Charger
Four (4) "AA" NiMH Rechargeable Batteries
Operation Manual on CD

RELATED PRODUCTS:

TFS-301 Optical Power Meter
P/N 2011387000

TFS-401 Optical Loss Test Kit
P/N 2011388000