

# TFS-3200 Series

## Optical Spectrum Analyzers

- Auto Test Mode Zooms In on Active Channels
- < 1/2 Second Real Time Updates
- Setable Pass/Fail Thresholds and Drift Statistics
- Spectrum, Bar Graph and Table Displays
- Interchangeable Fiber Optic Connectors
- USB Port

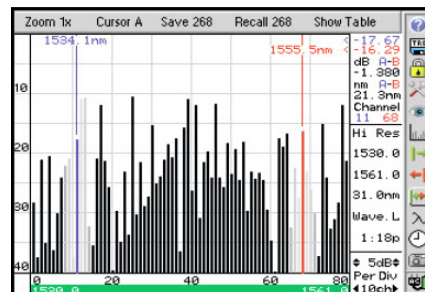


Trilithic's TFS-3200™ Series Optical Spectrum Analyzers offer full featured analysis of fiber optic systems in a rugged hand-held package ideal for installation, maintenance and upgrades of fiber optic systems. With an extremely fast acquisition time of two seconds per scan, easy-to-use Pass/Fail and auto test features, and an easy-to-read color display, this field worthy optical spectrum analyzer is a road warrior.

The TFS-3200 Series features solid state optics, with no fragile or moving parts, a massive internal memory to store up to 1000 tests and a USB port to transfer data to a portable flash drive. Trilithic includes Windows® based certification software for fast and easy reporting and Test information can be displayed in Table, Spectrum or Channel form.

### Graph Mode

While in graph mode, the user can quickly identify power per channel, compare active and non-active channels, and identify minimum and maximum thresholds being met.



### Table Mode

While in table mode, the minimum and maximum threshold power settings may be adjusted giving immediate indication of channels that pass or fail to meet these levels. Table mode displays minimum and maximum channel drift statistics.

Ch	Power	Ch	Power	Ch	Power
01	-28.38	21	-39.65	41	-26.28
02	-37.09	22	-29.78	42	-11.88
03	-21.13	23	-34.25	43	-33.33
04	-35.15	24	-23.11	44	-21.43
05	-20.51	25	-33.67	45	-19.67
06	-35.27	26	-18.54	46	-24.68
07	-33.10	27	-33.21	47	-11.65
08	-24.19	28	-21.45	48	-24.30
09	-22.12	29	-28.32	49	-25.62
10	-20.86	30	-27.36	50	-18.34
11	-37.43	31	-16.24	51	-23.33
12	-17.67	32	-25.50	52	-19.20
13	-10.84	33	-23.94	53	-24.44
14	-18.69	34	-21.20	54	-18.30
15	-32.23	35	-13.51	55	-29.62
16	-35.43	36	-20.67	56	-23.18
17	-20.89	37	-17.54	57	-24.22
18	-11.89	38	-35.33	58	-23.27
19	-21.37	39	-15.61	59	-24.57
20	-25.65	40	-10.96	60	-22.45

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## Optical Spectrum Analyzers

### SPECIFICATIONS

<b>Power Meter Detector Type</b>	InGaAs
<b>Wavelength Range</b>	TFS-3200C: 1530 to 1561 nm (C-Band) TFS-3200L: 1574 to 1608 nm (L-Band) TFS-3200S: 1460 to 1530 nm (S-Band)
<b>Wavelength Accuracy</b>	±0.1 nm
<b>Channel Spacing</b>	50 GHz, 100 GHz
<b>Channel Power Range</b>	+10 dBm to -50 dBm
<b>Absolute Accuracy</b>	±1 dB
<b>Readout Resolution</b>	0.01 dB
<b>PDL</b>	±0.15dB
<b>Measurement Time</b>	< 1/2 Sec
<b>Optical Rejection Ratio</b>	40 dBc (@50 GHz)
<b>Return Loss</b>	>40 dB
<b>Optical Interface</b>	Universal UPC (FC/SC)
<b>Graphical Display</b>	Bar Graph, Spectrum and Tables
<b>Display</b>	4 in. Color TFT
<b>Dimensions</b>	7.75 x 4.5 x 2.25 inches
<b>Weight</b>	2 lbs
<b>Battery</b>	Rechargeable NiMH - 8 hours operating time
<b>Power</b>	100-240 universal US, GB, EU, AU Mains
<b>Environmental Operation</b>	-10°C to + 50°C

### AVAILABLE OPTIONS:

TFS-3200C C-Band Optical Spectrum Analyzer (1530 to 1565 nm)

**P/N 2011384000**

TFS-3200L L-Band Optical Spectrum Analyzer (1565 to 1625 nm)

**P/N 2011384010**

TFS-3200S S-Band Optical Spectrum Analyzer (1460 to 1530 nm)

**P/N 2011384020**

### INCLUDES THE FOLLOWING:

TFS-3200 Series Optical Spectrum Analyzer

Companion Software with USB Cable

Interchangeable SC/ST/FC Adapters

AC to DC Universal Adapter/Charger with US, IK, European & Australian Plugs

Four (4) "AA" NiMH Rechargeable Batteries

Operation Manual on CD

### RELATED PRODUCTS:

TFS-2225 Dual Wavelength OTDR (850/1300 nm)

**P/N 2011385000**

TFS-2250 Dual Wavelength OTDR (1310/1550 nm)

**P/N 2011385010**

TFS-2500 Quad Wavelength OTDR (850/1300/1310/1550 nm)

**P/N 2011385020**