

# Optical Spectrum/Channel Analyzer

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## Features:

- Up To 88 Channels
- 50 or 100 GHz
- IEC61300-3-35 Auto Pass/Fail Video Inspection
- Pass/Fail Thresholds
- Fast Real Time with <1/2 second Update
- Bar Graph and Table Displays
- Auto Test Zooms in on Active Channels
- Rugged Case w/Impact Resistant Boot
- Solid State Optics-No Moving Parts
- User Setup Screen
- 4" Touch Color Display
- Impact Resistant Boot
- Stores 1000 test
- USB/PC Port

The FTE-8100 Optical Spectrum Analyzer is one of the most rugged and affordable full featured Mini OSAs on the market. This C-band hand held OSA is available in up to 88 channels with 50 and 100 GHz channel spacing. The FTE-8100 is simple and fast to operate with its touch screen operation and twice a second scan. It offers high end features such as power tilt monitoring for DWDM channel equalization.

With a full set of selectable scale limits and thresholds, the FTE8100 makes zeroing in on channel measurements easy. For flexibility the channel numbers are selected in wavelength or frequency. The information is displayed in graph or table mode on the 4" bright color touch screen. This unit allows users to set pass/fail thresholds and can store up to 1000 tests that can be downloaded via the USB PC port. Documentation is fast and easy with the included Cert-Soft certification software. The onboard Help system assists new users in parameter setup and file manipulation.

The FTE-8100 offers an IEC61300-3-35 auto Pass/Fail video inspection feature for use with the optional VIS-300 Video Probe

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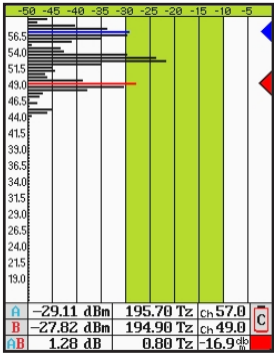


Made In the USA

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| FTE-8100 Specifications |  |
|-------------------------|--|
|                         | FTE-8100C  |
| Wavelength Range        | C-Band 1530.40 -1565.10nm<br>(195.90THz - 191.55THz) |
| Channel Spacing         | 50GHz, 100GHz  |
| Wavelength Accuracy     | ±0.1nm   |
| Channel Power Range     | +10dBm to -50dBm                                     |
| Absolute Accuracy       | ±1 dB  |
| Max Composite Power     | +28 dBm  |
| PDL                     | ±0.15dB  |
| Optical Rejection Ratio | 40dBc (@50GHz)                                       |
| Measurement Time        | < 1/2 Second   |
| Readout Resolution      | 0.01dB   |
| Return Loss             | >40dB  |



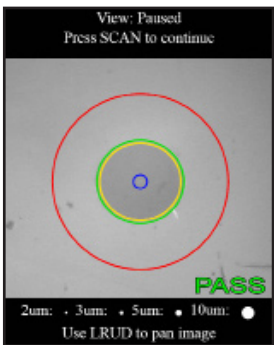
Graphical View

| General              |   |
|----------------------|---|
| Optical Interface    | Universal UPC (FC/SC)   |
| Graphical Display    | bar graph and table view  |
| Display              | 4 in. touch color TFT   |
| Dimensions           | 7.62" L x 3.88" W x 1.56" H<br>(194mm L x 99mm W x 40mm H)  |
| Weight               | 1.6 lbs   |
| Battery              | Rechargeable NiMH - 8 hours operating time  |
| Power                | 100-240 universal US, GB, EU, AU Mains  |
| Environmental        | Operation -10°C to 50°C   |
| Accessories Included | Universal power supply with mains for US, UK, CE and AU. Interchangeable FC and SC adapters, CertSoft Software Suite, USB cable, manual and rubber boot |

Table View

TTI reserves the right to change specifications without notice.

| Ordering Information |  |
|----------------------|--|
| FTE-8100C            | C Band Optical Spectrum Analyzer<br>1530.40 -1565.10nm<br>(195.90 THz - 191.55THz) |



IEC61300-3-35 Auto Pass/Fail Video System

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