97.5-Channel Optical Spectrum Analyzer

DWDM_Optical_Spectrum_Channel_Analyzer_09092019

The NT2-210018 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 97.5 channels with 50 and 100 GHz channel spacing. The NT2-210018 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 NT2-210018 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 NT2-210018 offers an IEC61300-3-35 auto pass/fail video inspection feature for use with the optional VIS-300 Video Probe

Features

- Up to 97.5 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 with 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

Ordering Information

Part No.	Description
NT2-210018	C-Band Optical Spectrum Analyzer, C-Band 1527.59 -1566.31nm, (196.35THz - 191.40THz)
NT2-210017	Optical Scope attachment for NT2-21008

These products may be protected by one or more patents. For further information, please visit: www.ppc-online.com/patents.

97.5-Channel Optical Spectrum Analyzer

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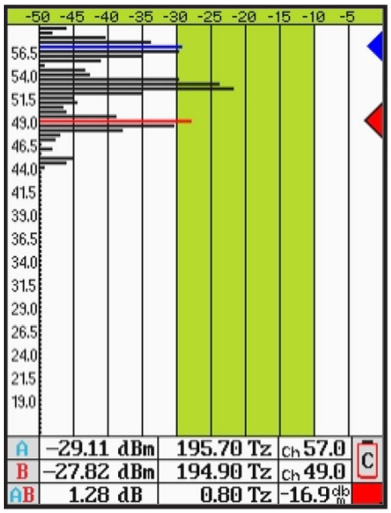
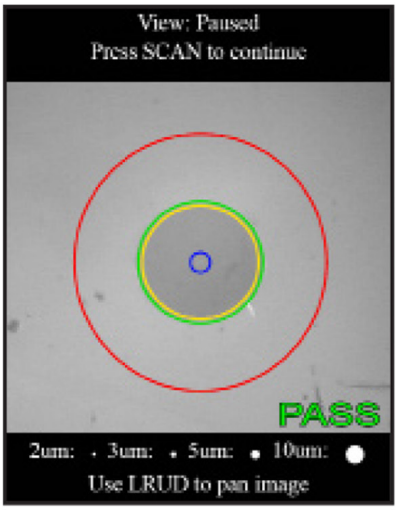


Graphical View

59.0	-45.92	48.0	-37.77	37.0		26.0
58.5	-48.15	47.5	-46.84	36.5		25.5
58.0	-40.23	47.0	-47.65	36.0		25.0
57.5	-33.81	46.5		35.5		24.5
57.0	-29.11	46.0	-48.15	35.0		24.0
56.5	-29.63	45.5		34.5		23.5
56.0	-34.93	45.0	-45.04	34.0		23.0
55.5	-41.09	44.5	-46.00	33.5		22.5
55.0	-49.17	44.0	-49.09	33.0		22.0
54.5	-43.32	43.5	-49.70	32.5		21.5
54.0	-42.54	43.0		32.0		21.0
53.5	-29.75	42.5		31.5		20.5
53.0	-23.81	42.0		31.0		20.0
52.5	-21.76	41.5		30.5		19.5
52.0	-35.04	41.0		30.0		19.0
51.5	-45.12	40.5		29.5		18.5
51.0	-44.36	40.0		29.0		18.0
50.5	-46.42	39.5		28.5		17.5
50.0	-45.94	39.0		28.0		17.0
49.5	-38.84	38.5		27.5		16.5
49.0	-27.82	38.0		27.0		16.0
48.5	-30.39	37.5		26.5		15.5

A -29.11 dBm 1531.90 nm Ch 57.0
B -27.82 dBm 1538.19 nm Ch 49.0
AB 1.28 dB 6.4 nm -16.9 db/n
C

Table View



IEC61300-3-35 Auto Pass/Fail Video System

General Specifications	
Wavelength Range	C-Band 1527.59 -1566.31nm, (196.35THz - 191.40THz)
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
Optical Interface	Universal FC/SC UPC (Optional APC)
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, (194mm L x 99mm W x 40mm H)
Weight	1.6 lbs
Battery	Rechargeable NiMH - 6 hours operating time
Power	100-240 universal US, GB, EU, AU Mains
Operating Temperature	-10 °C to 50 °C
Storage Temperature	-20 °C to 60 °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

Note: Specifications may change without notice.

These products may be protected by one or more patents. For further information, please visit: www.ppc-online.com/patents.

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