

SPECIFICATIONS

	OSX-80C & OSX-80L	OSX-20
Wavelength Range	C-Band 1530-1561nm (196.0THz - 192.0THz) L-Band 1574-1608nm (190.5THz - 186.3THz)	1271 -1 611nm
Channel Spacing	50GHz, 100GHz	20nm
Wavelength Accuracy	±0.1nm	N/A
Channel Accuracy	N/A	1.0nm
Channel Pass Band	N/A	±6.5nm
Channel Power Range	+10dBm to -50dBm	+5dBm to -50dBm
Absolute Accuracy	±1 dB	±1 dB
Max Composite Power	+28dBm	+23dBm
PDL	±0.15dB	±0.2dB
Optical Rejection Ratio	40dBc (at 50GHz)	N/A
Adjacent Channel Isolation	N/A	30dB
Measurement Time	<1/2 Second	<1/2 Second
Readout Resolution	0.01dB	0.01dB
Return Loss	>40dB	>40dB

General Specifications

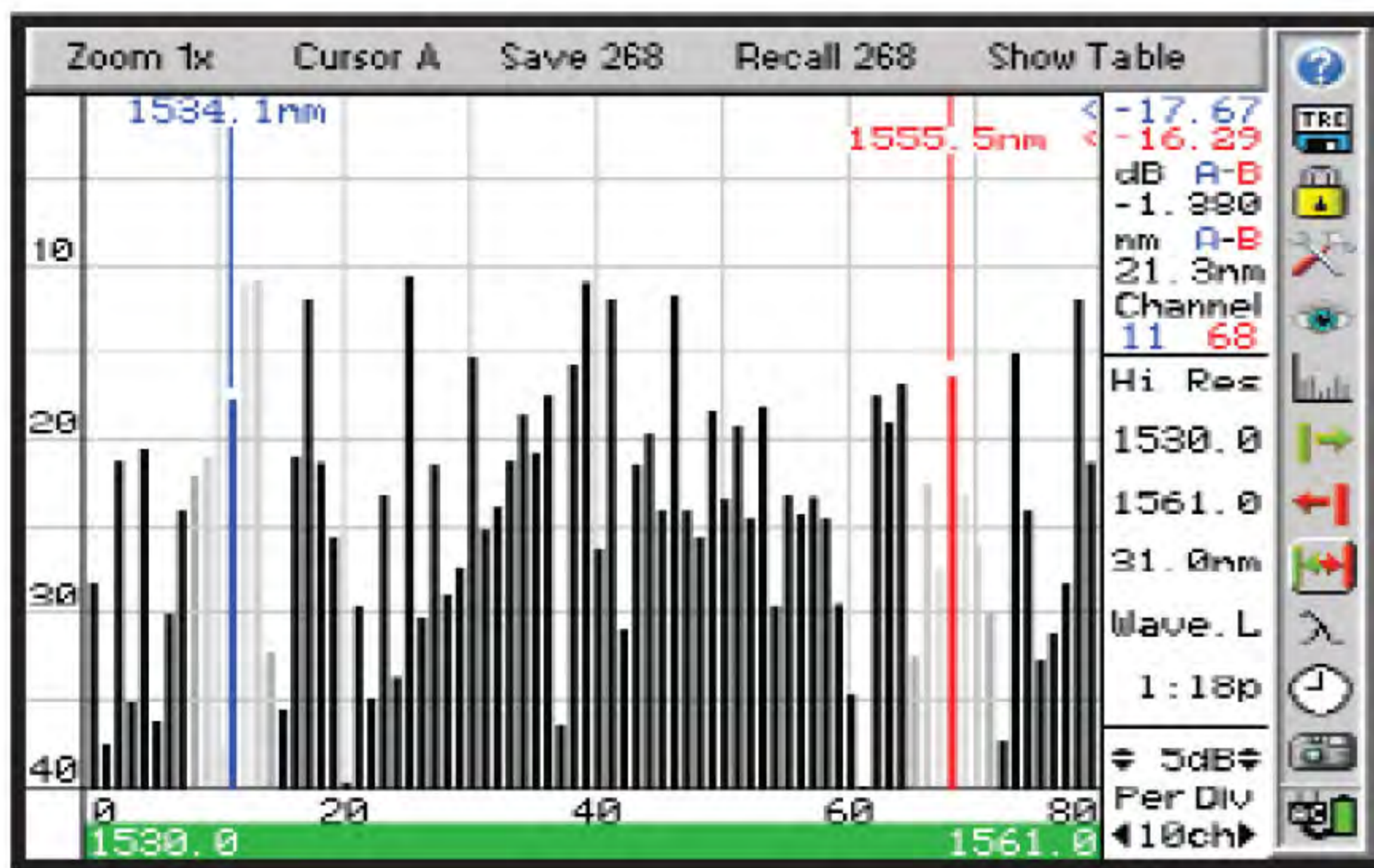
Optical Interface	Universal UPC (FC/SC)
Graphical Display	Bar Graph and Table View
Display	4" Color TFT
Dimensions	7.75" x 4.5" x 2.25"
Weight	2 lbs.
Battery	Rechargeable NiMH - 8 Hour Operating Time
Power	100-240 Universal US, GB, EU, AU Mains
Environmental	Operation - 0°C to 50°C
Accessories Included	Universal power supply with mains for US, UK, CE and AU. Interchangeable FC and SC adapters, Window's™ compatible software, USB cable, manual and rubber boot

Hand Held Optical Spectrum Analyzer & CWDM Channel Analyzer

Features:

- 50 or 100GHz DWDM and 20nm CWDM Channel Spacing
- USB PC Interface, Certification Software Included
- Massive Internal Memory or Use a USB Flash Drive
- Solid State Optics - No Fragile or Moving Parts
- 4" Color Display & 8hr Battery Life
- Interchangeable Fiber Optic Connectors
- Available in C, L or CWDM Bands

The OSX Series Hand Held Optical Spectrum Analyzers offer full featured analysis of DWDM and CWDM systems in a truly portable package. Available in WDM PON, ROADM and CWDM versions. These Optical Channel Analyzers have a super fast acquisition time of two seconds per scan, and Pass/Fail feature with an easy to read color display. The OSX series will store up to 1000 tests and is shipped with Windows™ compatible certification software for fast and easy reporting. Test information can be displayed in Bar Graph or Table form. The OSX is housed in a rugged metal enclosure with robust protective boot. These units are designed for field use and are extremely user friendly. The new OSX series Hand Held Optical Spectrum Analyzer make this technology more affordable then ever.



Graph Mode

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

Threshold = -30.00 dBm Show Graph

Ch	Power	Ch	Power	Ch	Power	Ch	Power
01	-28.38	21	-39.66	41	-26.28	61	-34.79
02	-37.58	22	-29.78	42	-11.88	62	-39.83
03	-21.13	23	-34.95	43	-30.85	63	-17.51
04	-35.15	24	-23.11	44	-21.43	64	-18.94
05	-20.51	25	-33.67	45	-19.67	65	-16.70
06	-36.27	26	-10.54	46	-24.60	66	-32.59
07	-30.10	27	-30.31	47	-11.65	67	-22.48
08	-24.19	28	-21.45	48	-24.30	68	-27.57
09	-22.12	29	-28.82	49	-25.62	69	-16.29
10	-20.86	30	-27.36	50	-18.34	70	-23.60
11	-37.49	31	-15.24	51	-23.53	71	-26.60
12	-17.67	32	-25.50	52	-19.20	72	-29.90
13	-10.84	33	-23.94	53	-24.44	73	-37.38
14	-10.60	34	-21.20	54	-18.30	74	-15.16
15	-32.25	35	-18.51	55	-29.62	75	-24.14
16	-35.43	36	-20.67	56	-23.18	76	-32.62
17	-20.89	37	-17.54	57	-24.22	77	-31.16
18	-11.83	38	-36.53	58	-23.27	78	-28.25
19	-21.37	39	-15.61	59	-24.57	79	-11.81
20	-25.66	40	-10.96	60	-29.45	80	-21.34

Table Mode

While the display is in the table mode, the minimum and maximum threshold power settings may be adjusted giving an immediate indication of channels that pass or fail to meet these levels. Displays minimum and maximum channel drift STATS.met.