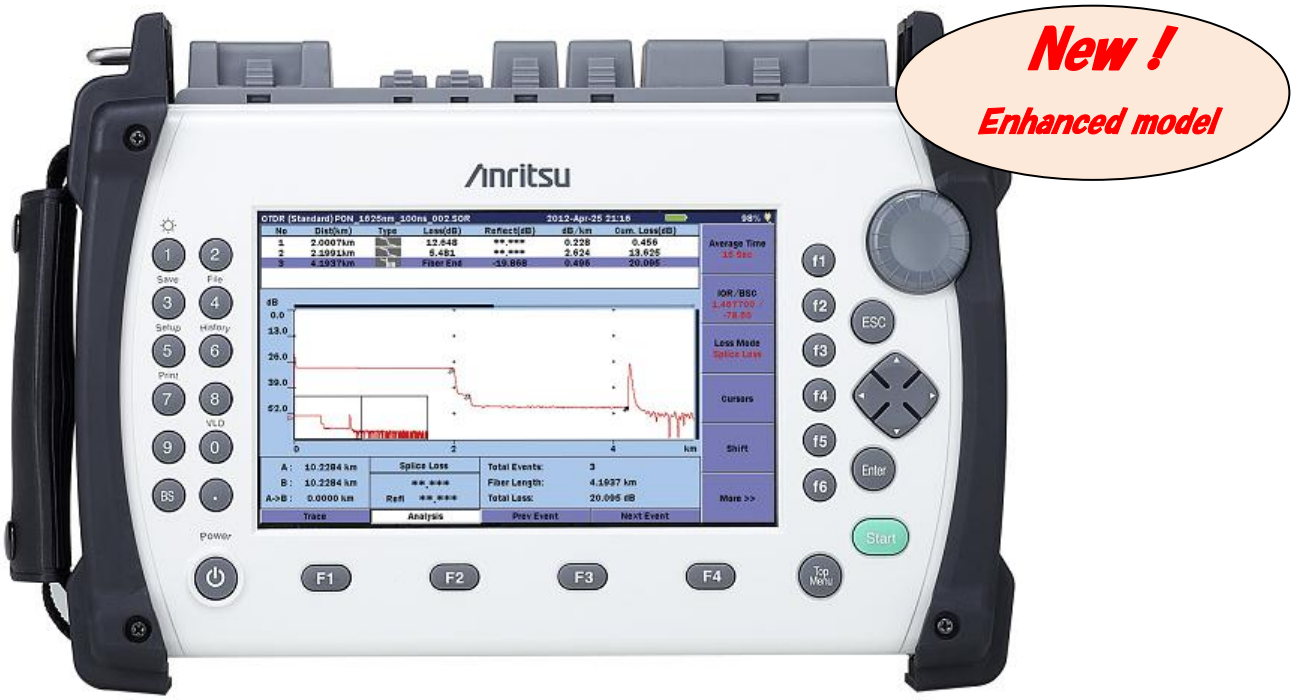
MT9083A2/B2/C2 ACCESS Master™

1310/1550/1625/1650nm OTDR for Single mode Fiber
850/1300nm OTDR for Multimode Fiber



For years the ACCESS Master has met the needs of contactors, technicians and engineers by providing all of the measurement functions (including PONs) and performance required for optical fiber construction and maintenance in a compact, lightweight, all-in-one unit that eliminates the burden of carrying many different test sets and instruments on-site.

Anritsu is now pleased to announce the enhanced MT9083A2/MT9083B2/MT9083C2 models. The ACCESS Master MT9083x2 now features a 7-inch widescreen TFT-LCD display for use both indoors and outdoors, enhanced battery operation time (up to 12 hours), increased operating temperature range (-10 to 50 ^{o}C) and new short-cut function keys.

Enhancements:

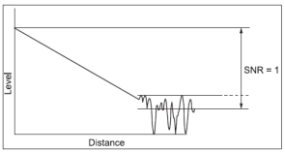
- ✓ Larger (7 inch), higher resolution (800x480) display with LED backlight
- ✓ Longer battery operation time: Up to 12 hours
- ✓ Wider operating temperature range: -10 to 50 ^{o}C
- ✓ New shortcut keys to simplify operation: quickly change between trace and event table or access set-ups and mass storage
- ✓ Lighter – now only 2.6kg (5.7lbs)!

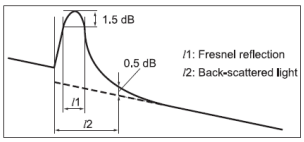
Specifications

OTDR Specifications

MT9083C2				
Options	Wavelength *1	Dynamic Range *2, *3	Deadzone (Fresnel) *4	Deadzone (Backscatter) *5
MT9083C2-053	1310/1550nm ±25nm	46/46dB *7 25/25dB *6 (Pulse width:100 ns)	≤1 m, ≤80 cm (typ.)	≤3.8/4.3 m
MT9083C2-057	1310/1550/1625nm ±25nm	46/46/44dB *7 25/25/23dB *6 (Pulse width:100 ns)		≤3.8/4.3/4.8 m
MT9083B2				
Options	Wavelength *1	Dynamic Range *2, *3, *8	Deadzone (Fresnel) *4	Deadzone (Backscatter) *5
MT9083B2-053	1310/1550 nm ±25 nm	42/41 dB *7	≤1 m ≤80 cm (typ.)	≤5/5.5 m
MT9083B2-055	1310/1550 nm ±25 nm, 1650 nm ±5 nm	42/41/35 dB *7		≤5/5.5/6.5 m
MT9083B2-057	1310/1550/1625 nm ±25 nm	40/39/38 dB *7		≤6/6.5/7.5 m
MT9083B2-063	1310/1550 nm ±25 nm, 850/1300 nm ±30 nm	42/41 dB *7 29/28 dB *7		≤5/5.5 m, ≤4/5 m (3/4 m typ.)
MT9083A2				
Options	Wavelength *1	Dynamic Range *2, *3, *8	Deadzone (Fresnel) *4	Deadzone (Backscatter) *5
MT9083A2-073	1310/1550 nm ±25 nm	39/37.5 dB *7	≤1 m ≤80 cm (typ.)	≤5/5.5 m
MT9083A2-055	1310/1550 nm ±25 nm, 1645 nm to 1655 nm	38.5/37/34.5 dB *7		≤5/5.5/6.5 m
MT9083A2-057	1310/1550/1625 nm ±25 nm	37/35.5/32.5 dB *7		≤6/6.5/7.5 m
MT9083A2-063	1310/1550 nm ±25 nm, 850/1300 nm ±30 nm	39/37.5 dB *7 29/28 dB *7		≤5/5.5 m, ≤4/5 m (3/4 m typ.)

***1:** 25 °C, Pulse width: 1 µs (all except 850 nm, 1300 nm), 850 nm/1300 nm: 100 ns
***2:** Pulse widths: 20 µs (Options 053, 055, 057, 063, 073, 1310 nm/1550 nm) at Distance range: 100 km
Pulse width: 4 µs (Options 063, 1300 nm) at Distance range: 25 km
Pulse width: 500 ns (Options 063, 850 nm) at Distance range: 25 km
Averaging: 180 sec., SNR = 1, 25 °C
***3:** Dynamic range (one-way back-scattered light), SNR = 1: The level difference between the RMS noise level and the level where near end back-scattering occurs.
***4:** Pulse width: 3 ns (Options 053, 055, 057, 063, 073.)
Return loss: 40 dB, 25°C (Refer to the figure right)
***5:** Pulse width 10 ns, return loss 55 dB, Deviation ±0.5 dB, 25 °C (Options 053, 055, 057, 063, 073. All except 850 nm/1300 nm)
Pulse width 3 ns, return loss 40 dB, Deviation ±0.5 dB, 25°C (Options 063, 850 nm/1300 nm)



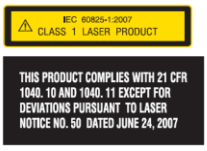


***6:** Pulse width: 100 ns (ER Mode), Distance range: 100 km
Averaging: 180 sec., SNR = 1, 25 °C
***7:** Typical. Subtract 1 dB for guarantee
***8:** At 1.65µm: With background light, 1.31/1.55µm, -19dBm CW light

Common Specifications

Dimensions and Mass	With Protector (option 010)	Dimensions: 284 (W) × 200 (H) × 77 (D) mm, 11.2 × 7.9 × 3 inches
		Mass: ≤2.6 kg (5.7 lbs) including battery
Display	7 inch TFT-LCD (800 × 480, with LED backlight), indoor/outdoor type	
Battery	Type: Lithium ion Operating Time *9: 12 hours, Telcordia GR-196-CORE Issue 2, September 2010 Recharge Time: ≤5 hours (power off)	
Sampling Points *10	Normal: 5001, High density: 20001 or 25001, Very high density: 100,001 or 150,001	
Sampling Resolution	5 cm (min.)	
Distance Range	Single mode: 0.5, 1, 2.5, 5, 10, 25, 50, 100, 200, 300 km Multimode: 0.5, 1, 2.5, 5, 10, 25, 50, 100 km	
Environmental Conditions	Operating temperature and humidity: -10° to +50 °C, ≤80% (non-condensing) Storage temperature and humidity: -20° to +60 °C, ≤80% (non-condensing)	
Laser Safety *11	IEC 60825-1: 2007 CLASS 1M: option 053, 055, 057, 063, 073 21 CFR1040.10 Excludes deviations caused by conformance to Laser Notice No. 50 dated June 24, 2007	

***9:** Typical, backlight off, sweeping halted at 25 °C, 6 hours typical continuous testing
***10:** Either high density value is selected depending on distance range
***11:** Safety measures for laser products
This product complies with optical safety standards in IEC 60825-1, 21CFR1040.10 and 1040.11; the right descriptive labels are affixed to the product.



The specifications and contents of this document may be changed without prior notice.

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