

Addendum A

Specifications Overview ^{1,2}

For complete specifications contact GN Nettest/Laser Precision or your local sales representative.

OPTICAL PERFORMANCE	FIBERWIZARD TD-1000/HR
Center Wavelength ³	Singlemode: TD-1000A: 1310/1550nm ±20nm TD-1000B: 1310nm ±20nm TD-1000C: 1550nm ±20nm Multimode: TD-1000D: 850/1300nm ±20nm TD-1000E: 850nm ±20nm TD-1000F: 1300nm ±20nm
Maximum Spectral Width ³	≤ 20 nm (Singlemode) ≤ 10 nm (Multimode)
Fiber Type	TD-1000A/B/C: Singlemode 9/125μ TD-1000D/E/F: Multimode 62.5/125μ
Distance Range	FiberWizard TD-1000 Singlemode Versions: 1.2km; 4km; 9km; 20km; 40km; 81km; 164km FiberWizard TD-1000 Multimode Versions: 1.2km; 4km; 9km; 20km; 40km; 81km
Data Resolution	Singlemode: 0.313m, 0.625m, 1.25m, 2.5m, 5m, 10m, 20m Multimode: 0.313m, 0.625m, 1.25m, 2.5m, 5m, 10m
Distance Accuracy ⁸	0.0025% x distance ± distance resolution
Vertical Linearity	±0.1 dB/dB to within 8 dB of the 98% noise floor

NOTES (apply to specifications for all FiberWizard models):

1. All specifications are subject to change without notice.
2. All measurements made using FC/SPC connector @ 25°C (77°F).
3. Measurement made using RMS method.
4. For 98% Noise Floor subtract 2 dB from the SNR=1 Dynamic Range.
5. Averaging time less than three minutes.
6. Meets BELLCORE TR-TSY-00196.
7. Light Source operation will reduce battery operation time.
8. Does not include zero km reference error.
9. Units equipped with Visual Fault Locate option have a separate CDRH Class II laser — NOT EYE SAFE.

OPTICAL PERFORMANCE		FIBERWIZARD TD-1000/HR			
Real Time Display Update		2/second			
Dynamic Range ^{4,5} (typical) (SNR=1)		Dynamic Range (SNR=1)		Measurement Range	
		1310nm	1550nm	1310nm	1550nm
		30.5 dB	27.5 dB	23.5 dB	20.5 dB
		850nm	1300nm	850nm	1300nm
		23.5 dB	23.5 dB	16.5 dB	16.5 dB
Initial Reflective Deadzone (typical)		Singlemode: 3m @ 1310nm; 3m @ 1550nm Multimode: 2.5m @ 850nm; 2.5m @ 1300nm			
Initial Non-Reflective Deadzone (typical)		Singlemode: 15m @ 1310nm; 20m @ 1550nm Multimode: 3.5m @ 850nm; 4.5m @ 1300nm			
Display		7 inch diagonal (14 X 11.4cm) LCD with backlight			
Vertical Scale Setting		0.063/0.125/0.25/0.5/1/2/4 dB/div.			
Horizontal Scale Setting		@ 1.2km: .0061 to .2044 km/div @ 81km: .1022 to 13.0789 km/div.			
Power Meter		Range:Standard: 10 dBm to -65 dBm Optional: 20 dBm to -55 dBm Configurable at time of order.			
Light Source (TD-1000A/B/C only)		Modes: CW, 1kHz & 2kHz Wavelength: 1310nm, 1550nm or 1310/1550nm Power Output: -10 dBm (typical) Stability: 0.2 dB @ 8 hours (@25° C)			
Visual Fault Locator (optional) Range		630nm Class II Laser Source up to 3km			
Connector Type: OTDR		Universal SPC Connector interface accepts adapters for all singlemode & multimode connector types.			
Connector Type: Power Meter		Connector interface accepts adapters for all connector types. Consult factory for details.			