1.9 Features and Optional Equipment

The following items are standard features on the TD-2000:

IBM-PC® Compatible Processor with 640K RAM
MS-DOS® Operating System
High contrast, 7-inch monochrome CRT display
3.5-inch ,720K floppy disk drive
GPIB (IEEE-488) interface
Serial (RS-232C) interface
Parallel (Centronics) interface.

Optional equipment includes:

TD-200 . . . Rugged Transit Case
TD-210 . . . Soft Pack Carry Case
TD-212 . . . Bell 212A Modem
TD-230 . . . 1.1 Megabyte RAM Option
TD-240 . . . External 3.5 inch 720K Floppy Disk Drive
TD-245 . . . External 5.25 inch 360K Floppy Disk Drive
TD-252 . . . Internal Plotter
TD-259 . . . Keyboard
TD-910 . . . Multimode Bare Fiber Adapter
TD-914 . . . Singlemode Bare Fiber Adapter
TD-250 . . . Fiber Analysis Software
TD-958 . . . PC OTDR Emulation Software.

1.10 Specifications

Mainframe Specifications

Data Acquisition (averages)	Real Time	(128 averages)
	Fast Scan	(4K averages)
	Slow Scan	(64K averages
	Double Slow Scan	(1M averages)
Readout Resolution	0.1 m	

Distance Scale Factors (Index = 1.5)	4, 8, 16, 32, 64, 128, 512, 1024, 2048, 4096, 8192, 16384 m/div. (Module and Index of Refraction Dependent)
Distance Sampling	0.5, 1, 2, 4, 8 m (Module dependent)
Vertical Linearity	0.04 dB/dB
Distance Accuracy	0.01% ± Distance Sampling ± Index uncertainty TD-260: ± 0.01% of distance, ± 0.5 m
CRT Display	7", high-contrast, green phosphor, raster scan, with 512x480 resolution
Cursors	Dual independent w/lock functions, automatic centering in cursor display mode.
Help Feature	On-line instructions and application notes.
Video Output	NTSC Composite Video out (1V p-p 75W) BNC Connector, TTL RGBI Video Output
Refractive Index	Five significant digits, with range 1.0001 to 1.9999 digital entry, values retained in non-volatile memory for each optical module
Loss Modes	Two point: Relative loss between any two points in the fiber dB/km: Distance normalized fiber loss between any two points in the fiber Splice Loss: Least square approximation of splice loss. Reflectance: A measure of the amount of optical energy reflected by a reflective feature.

Loss Resolution	0.01 dB
dB Accuracy	Digitized logarithmic transformation, with 0% temperature drift.
Interfaces	NTSC Composite Video Out (standard), TTL RGBI Video Output, GPIB (IEEE-488), Centronics (parallel), RS-232, RJ-11C Telephone, Keyboard, & External Disk Drive Interfaces
Power Requirements	90-132 VAC, 47-63 Hz, or 180-260 Vac, 47-63 Hz, at 95 V.A., maximum
Dimensions	6.5"H x 16.3" W x 22.15"L
Weight	32 pounds
Operating Temperature	-15°C to 45°C, ≤95% Relative Humidity, non-condensing; 0°C to 40°C for rated specifications
Storage Temperature	-20°C to 60°C, <95% Relative Humidity, non-condensing.
Maximum Altitudes	Operating: 15,000 feet Storage: 50,000 feet
Laser Product Classification	21 CFR Class I all modules
Accessories Provided	Power Cord Set of fuses 5m Fiber Optic Pigtail Instruction Manual MS-DOS package