

Preliminary

Handheld Optical Transceiver Test Meter (HOTM)

Features / Benefits

- Handheld and lightweight
- High power capability
- High absolute accuracy
- Low wavelength sensitivity
- Cost effective and time saving
- Built-in standard USB 2.0 interface
- Rugged housing, sleek and stylish design
- Brilliant 3.5" color TFT display
- Bluetooth™ ready
- One expansion slot for CF type II card
- One expansion slot for SD / MMC card
- Built-in data storage management
- Touch screen and user friendly GUI

Applications

- Manufacturing
- On-site service
- Maintenance / repairing
- R&D / laboratory
- Quality inspection

RoHS
Compliant





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Specifications

PARAMETERS	VARIABLE OPTICAL ATTENUATOR	INPUT POWER METER	OUTPUT POWER CONTROLLER
Wavelength Range	1260 to 1650nm	1260 to 1650nm	1260 to 1650nm
Calibration Wavelengths	1260 to 1650 nm	1260 to 1650nm	1260 to 1650nm
Attenuation Range	3.0 to 60dB	-	-
Input Power Range	-	+23 to -50 dBm	-
Output Power Range ²	-	-	+20 to -50 dBm
Insertion Loss ¹	2.5 dB typical 3.0 dB maximum	2.5 dB typical 3.0 dB maximum	2.5 dB typical 3.0 dB maximum
Repeatability	± 0.02dB typical ± 0.05dB maximum	± 0.02dB typical ± 0.05dB maximum	±0.02 dB typical ±0.05 dB maximum
Linearity	± 0.15 dB	± 0.15dB	± 0.15 dB
Resolution	0.05 dB	0.05 dB	0.05 dB
Thermal Stability	± 0.5 dB	± 0.5 dB	± 0.5 dB
Measurement Accuracy ¹	± 0.5 dB	± 0.3 dB	± 0.3 dB
Response Time	< 2s	-	< 2s
GENERAL PERFORMANCES			
Operating Temperature	0 to 40°C		
Storage Temperature	-20 to 60°C		
Relative Humidity (Non-Condensing)	10 to 90 %RH		
Maximum Input Optical Power	23 dBm		
Size (H×W×D)	88 × 192 × 35		
Weight	~ 1.5 lb		
Optical Connector	SC / UPC		
Electric Power Supply	Batteries or AC		
Battery Life	8 hrs		
Communication	RS-232		
Tone Detection	Continuous, 270Hz, 1KHz, 2KHz		

NOTE: 1. At room temperature and without connector.

2. Input optical power must be 3dBm higher than required output optical power.