

MultiMeter Laser source with OPM

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Variants

OPM with OLS

Details

Overview:

DT-22 is a highly cost-effective optical multimeter offered by the company. It integrates both a power meter and a light source, providing comprehensive functionality. DT-22 is equipped with features for recording, storing, and uploading test data, making it suitable for various applications in fiber-optic line project construction, testing, and maintenance. It finds extensive use in digital data networks, telecommunication networks, and cable television setups.

Key Features:

- Convenient mode switching function for ease of use
- Stable output light for reliable performance
- Automatic switching function for internal source wavelength
- Detection of frequency light for accurate measurements
- USB data communication for storage, uploading, and power supply
- Data storage capacity of up to 1000 entries
- Real-time data reading capability for integration into systems

Applications:

- Telecommunication project maintenance
- CATV project maintenance
- Maintenance of digital data network projects
- Optical communications teaching and research
- Various other fiber-optic projects

Technical Specification:

Parameter	Specification
Power Meter	DT-22A
Calibration Wavelength (nm)	850, 1300, 1310, 1490, 1550, 1625
Testing Range (dBm)	-70 to +6
Display Resolution (dB)	0.01
Uncertainty (dB)	+0.25
Linearity (dB)	+0.1
Frequency Identification Range	10 k
Source Range (dBm)	-70 to +6
Working Wavelength (nm)	1310/1550 (customizable)
Typical Output Power (dBm)	-5 (customizable)
Stability (dB, 30 min, 20°C)	±0.1 dB
Modulation Frequency (Hz)	CW, 270 Hz, 1 kHz, 2 kHz
Power Supply	3 AA 1.5V battery / Mini USB 5V adapter
Auto-off Time (min)	10
Battery Continuous Operation Time	Source ON: ±50 h, Source OFF: ±200 h
Communication Interface	Mini USB
Working Temperature (°C)	-10 to +60
Storage Temperature (°C)	-25 to +70
Size (mm)	175 × 90 × 44.5
Weight (g, not including battery)	265