

MultiMeter Laser source with OPM

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Variants

OPM with OLS

Details

DT-22 Optical Multimeter

Overview

DT-22 is a highly cost-effective optical multimeter that integrates both an optical power meter and a light source, providing comprehensive functionality in one unit. It supports recording, storing, and uploading test data, making it suitable for fiber-optic line project construction, testing, and maintenance. It is widely used in digital data networks, telecommunication networks, and cable television systems.

Key Features

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

Applications

1	Telecommunication project maintenance
2	CATV project maintenance
3	Maintenance of digital data network projects
4	Optical communications teaching and research
5	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 kHz
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

Parameter	Specification
Size (mm)	175 x 90 x 44.5
Weight (g, without battery)	265

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