AP4010 Multimode Fiber Bandwidth Test Set

General

The AP4010 is designed for measuring amplitude-frequency characteristics of multimode optical fibers and their length.

The operating principle is based on the pulse method and frequency spectrum calculation, using Fourier-transform techniques.

Multimode laser diodes for the wavelengths of 850 and 1300 nm are used as light sources.

The internal optical sampling converter is used in the instrument. The mode scrambler of a definite type can be integrated in the instrument.

The AP4010 operating control and data processing are provided by a PC under Windows operating system.

Software allows for measurement results analysis in the time domain: representing and storing pulses, their width and position on the time axis as well as in the frequency domain: pulse amplitude spectrums, amplitude-frequency characteristics of the fiber under test, optical fiber bandwidth for the level -3 dB.

Features

- 1310nm and 850nm testing
- Pulse method
- Dynamic range : 25dB
- Bandwidth : 0 to 2500MHz
- Low cost

Specifications

Wavelength range	850nm and 1310nm
Bandwidth	0 to 2500MHz
Pulsewidth in the optical receiver	0.4ns
Length of a measured optical fiber	8Km
Dynamic range	25dB
Optical fiber length measurement accuracy	0.5m
Operating temperature	+10°C to +30°C
Relative humidity	80% at 20°C
Atmosphere pressure	84 to 106.7 kPa
Dimensions (transmitter/receiver)	293mm x 255mm x 60mm
Weight (Transmitter/receiver)	5Kg

Ordering informations

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