

ID-6 MULTIMODE OPTICAL FIBER FREQUENCY CHARACTERISTICS TEST SET



The ID-6 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.

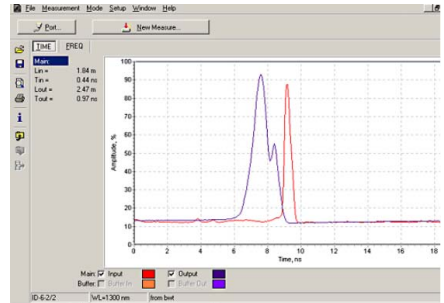
Multimode laser diodes for the wavelengths of 850 and 1300 nm are used as light sources.

The internal optical sampling converter is used in the instrument.

The mode scrambler of a definite type can be integrated in the instrument.

The ID-6 operating control and data processing are provided by an IBM PC under Windows 95/98/2000/NT.

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.



Specifications

Wavelength, nm	850; 1310
Bandwidth, MHz	0...2500
Pulsewidth in the optical receiver output, ns	0.4
Length of a measured optical fiber (cable), km	12
Dynamic range, dB	25
Optical fiber length measurement accuracy, m	0.5
Power supply, V	~220
Dimensions, mm	293×255×60
Weight, kg	5