

ID-2-3/ ID-2-3B OPTICAL FIBER ELONGATION TEST SET



The ID-2-3 is designed for measurement of optical fiber and cable elongation/strain under mechanical and/or temperature test.

The phase shift method is used (IEC 60793-1-22).

Optical fiber elongation/strain is measured in absolute and relative units (mm, %, ns).

The ID-2-3 has four channels: three measurement channels and a reference one.



The ID-2-3B has seven channels: six measurement channels and a reference one.

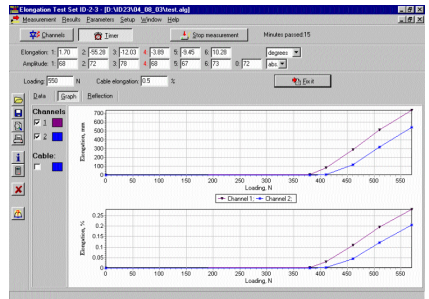
The ID-2-3 operating control and data processing are provided by a PC.

Software allows presenting graphically changes in

the fiber length from the applied tensile force to the fiber, the time interval, temperature or elongation of the optical cable.

The changes of the refractive index of the optical fiber due to the applied force are taken into account.

Measurement results are automatically fixed via a timer or manually.



Specifications

Model	ID-2-3	ID-2-3/B
Number of measurement channels	3	6
Wavelength of laser source, nm	1310±20 или 1550±20	
Fiber elongation range, m	0...1000	
Resolution	0.001mm; 0.0001%	
Uncertainty, mm	±(1+0.005×ΔL)	±(0.5+0.002×ΔL)
Drift, mm / hour	≤±1	≤±0.5
Maximum attenuation, dB	15	
Power Supply, V	~220	
Dimensions, mm	293×255×60	293×255×60/293×255×60
Weight, kg	3	3/3