

OR-2-2 OPTICAL TIME DOMAIN REFLECTOMETER



The OR-2-2 is a mini-OTDR for measurement of attenuation in optical fibers (OF) and its connections, the OF length and distance to events.

Application: the installation and maintenance of fiber optic links, the OF and cable production.

The OTDR can be used both in the laboratory and field.

OTDR consists of the mainframe and optical plug-in units for measuring multi- and singlemode OF at different wavelengths.

The instrument has a compact and strong, appropriate IP-65 case. The OTDR operating control, data processing and displaying measurement results

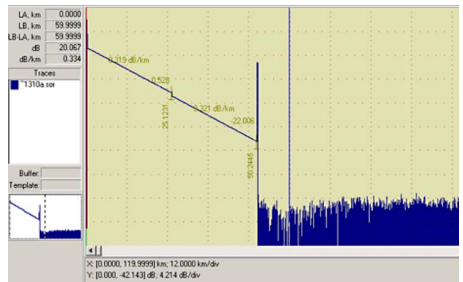
are provided by a PC.

User-friendly software allows determining all necessary characteristics of the OF, displaying and analysing several traces at the same time, storing and reading the data and report printing.

'Template' mode allows an essential time reduction for the analysis and certification of the OF links.

The OTDR enables storing and reading traces in the Bellcore standard.

The measurement of electrical cable characteristics can be done with an additional plug-in unit.



Specifications

Fiber type	MM			SM		
Wavelength, nm	850±20	1300±20	850/1300±20	1310±20	1550±20	1310/1550±20
Dynamic range (SNR=1), dB	30	29	28.3/27.3	36.5	35	36/34.5
Attenuation dead zone*, m	14.5					
Event dead zone*,m	3.5					
Pulsewidth, ns	10...1000			10...20 000		
Distance range, km	2, 5, 10, 20, 40, 80, 120, 160, 240					
Loss resolution, dB	0.001					
Distance uncertainty, m	±(0.3+sampling resolution+5×10 ⁻⁵ ×L)					
Attenuation measurement uncertainty, dB/dB	0.05					
Sampling resolution, m	0.5...18					
Refractive index range setting	1.0000...2.0000					
Optical connector type	FC, ST, SC, SMA, D4					
Power supply	rechargeable battery Pb (Lead Acid), ~220V					
Consumed power, W	20					
Dimensions, mm	293×250×60					
Weight, kg	4					

* For reflectance - 40 dB, pulsewidth - 10 ns.

Certificates of Belarus, Russia, Ukraine, Kazakhstan, Uzbekistan

