



## Measuring instruments

### Optical Light Source

## art. 19-437 FO-SORGENTE OTTICA



- Device that allows you to identify any defects and other causes of anomalous loss of the signal of the passive components of the distribution (dividers, shunts, etc.) in a fiber optic system.
- Dual wavelength laser source.
- PON, Telecom, CATV e LAN/WAN applications.
- High accuracy and wide dynamic range.
- High contrast and backlight display: visible outdoors and in low light conditions.
- Self-calibration by the user.
- Field interchangeable optical adaptors support multiple connector types and allow easy access for cleaning.
- Save measurements (>100 single results).
- Transfer stored results to a PC or upload results to Fiberizer Cloud for report generation and printing \*.
- Remote control via PC.
- Auto-power function.
- Dust and splash resistant keyboard.
- Powered by two AA alkaline batteries or NiMH rechargeable batteries.
- Batteries life: 80 hours (without backlight).
- CE compliance with IEC 61326.

\* **Fiberizer Desktop PC software and Fiberizer Cloud**

Test results can be transferred from the device to a PC running Fiberizer Desktop software (LT-Sync software). A complete analysis can be performed off-line remotely, while the data is saved on the Cloud Fiberizer Cloud.

Code	19-437
Item	FO-SORGENTE OTTICA
<b>OPTICAL LIGHT SOURCE CHARACTERISTICS</b>	
Wavelength	Single-mode: 1310/1490 o 1310/1550 ±20 nm; Multimode: 850/1300 ±20 nm
Laser source	FP laser
Output power	> -2,5 dBm
Laser safety	Class 1 per 60825-1:2014, edition 3
Power stability	Single-mode: ≤ ±0,03 (15 min); ≤ ±0,1 (8 hrs); Multimode: ≤ ±0,05 (15 min)
Modulation	CW, 270 Hz, 330 Hz, 1 kHz, 2 kHz
Spectral width	Single-mode: <5 nm; Multimode: <10 nm
Optical connector types (interchangeable) *	Universal adaptors (FC, SC, ST, LC, E2000 and universals 1,25 and 2,5 mm)
Optical interface	UPC or APC (fixed connector only)
<b>GENERAL CHARACTERISTICS</b>	
Dimensions (LxWxH)	38x61x129 mm
Weight	< 310 gr
Material	Rugged, polycarbonate chassis (1 meter drop tested)
Battery	2 AA alkaline batteries or NiMH rechargeable batteries, 2150 mAh
Power supply	Micro USB interface; 5 Vdc charged
PC connection	Micro USB interface, remote control and data transfer via LT-Sync PC software
Storage	>100 results, without indication of date and time
Display	High contrast, 28x23 mm (35 mm), B&W transfective LCD; 96x80 pixel with backlight
Operating temperature	from -10 °C to +50 °C
Storage temperature	from -20 °C to +70 °C
Humidity	from 0% to 95%, non-condensing

\* The conversion adapter adds additional 0.3 dB insertion loss. Applies to FC-LC, FC-E2000 and FC-Universal 1.25mm converters.

