



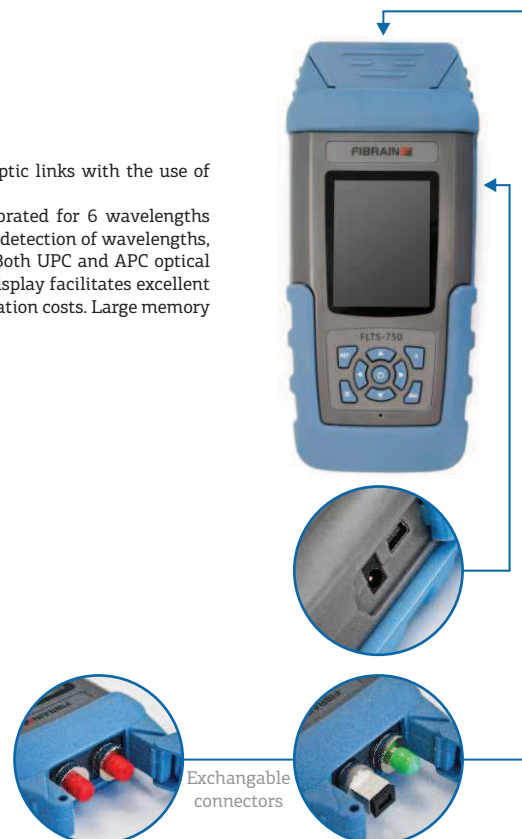
Portable optical power meter Fibrain FLTS-750

The FLTS-750 portable integrated light source and power meter is used to measure fiber optic links with the use of transmission method as recommended in IEC ISO 14763-3 and IEC 61280-4-2 norms.

FLTS-750 integrates singlemode 1310/1550nm light source and optical power meter calibrated for 6 wavelengths (singlemode 1310/1490/1550/1625 nm and multimode 850/1300 nm). It provides automatic detection of wavelengths, thus bidirectional measurements in both transmission windows are very fast and simple. Both UPC and APC optical connectors can be used and accurately measured due to large area detector. A large backlit display facilitates excellent visibility in all conditions. Built-in battery source guarantees long working time and low operation costs. Large memory and USB communication port allow data archiving and analysis.

Functionalities:

- Integrated power meter and light source,
- Wavelength **automatic detection**,
- Stable SM 1310/1550 nm light source,
- **Large-area detector** – compatible with APC connectors,
- Power meter calibrated for **6 wavelengths**,
- Measurements in absolute (dBm, mW) and relative (dB) scale,
- **Large** dynamic range,
- Various adapters included (FC, SC, ST, 2.5 mm universal),
- **Built-in batteries**, battery recharger,
- Protective rubber cover and a bag,
- USB interface for **transferring data to computer**,
- Backlit LCD 2.8" screen,
- Automatic turn-off, low voltage indicator,
- **Low battery consumption**, long battery life.



Technical data

Optical parameters

Calibrated wavelengths [nm]	MM: 850, 1300, SM: 1310, 1490, 1550, 1625
Dynamic range [dBm]	+3/-70 (optionally +26/-50)
Measurement accuracy [%]	+/-5
Measurement units	dBm, mW, dB
Resolution [dB]	0.01
Emitter type	Fabry-Perot LD (optionally DFB LD)
Transmitted wavelengths [nm]	SM: 1310, 1550
Lightsource output power [dBm]	min. -7
Lightsource stability (15 min) [dB]	≤ +/-0.05
Lightsource stability (5 h) [dB]	≤ +/-0.10
Operation mode	Continuous wave, 270 Hz, 330 Hz, 1 kHz, or 2 kHz modulation
Transmitter connector type	2.5 mm UPC

Other functional parameters

Battery running time	24 h (source and optical meter), 90 h (optical power meter)
Auto Off function	Yes
Backlit display	Yes
Data storage	Yes
PC interface software	USB
Memory	1000 records
Battery recharge interface	Power jack

Mechanical and environmental parameters

Weight [g]	400
Dimensions [mm]	90x200x45
Display	LCD 2.8"
Working temperature [°C]	0/+40
Humidity	10%/90% no condensation