

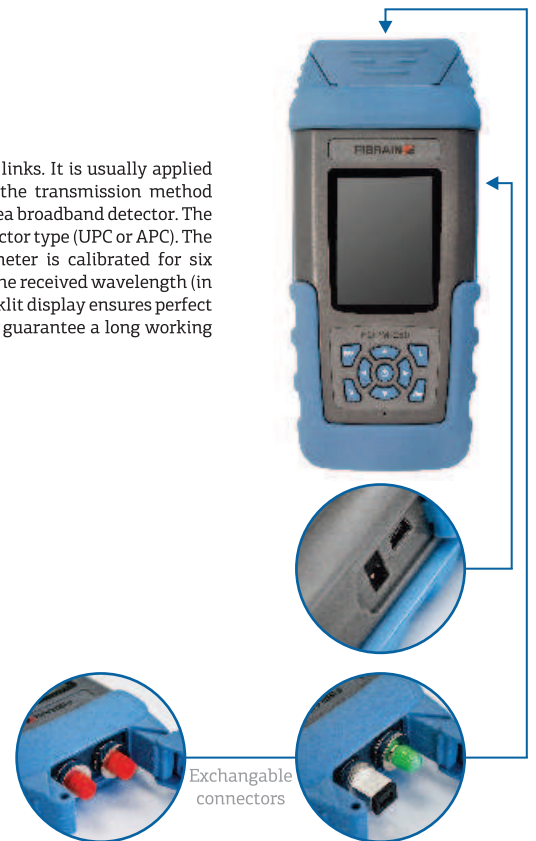


## Portable optical power meter Fibrain FOPM-250

The portable Fibrain FOPM-250 power meter is used to measure optical power in fiber-optic links. It is usually applied (together with a suitable light source) for measurements of fiber link attenuation using the transmission method according to IEC ISO 14763-3 and IEC 61280-4-2 norms. The FOPM-250 has a built-in large-area broadband detector. The large area of the detector guarantees stable and repeatable measurements, regardless of connector type (UPC or APC). The used photodiode of InGaAs type detects the power in the range of 800-1700 nm. The meter is calibrated for six wavelengths (SM 1310, 1490, 1550, 1625 nm and MM 850, 1300 nm). Automatic detection of the received wavelength (in cooperation with a compatible light source) makes the measurements much easier. A large backlit display ensures perfect visibility under any conditions. Built-in rechargeable batteries lower the operating costs and guarantee a long working time. An integrated visual fault locator (VFL) additionally increases device's functionality.

### Functionalities:

- **Optical power meter** calibrated for six wavelengths,
- Wavelength automatic detection (requires compatible light source),
- **Large-area detector** – compatible with APC connectors,
- Measurement results displayed in linear (mW) or logarithmic (dBm) scale,
- Large dynamic range +10/-70 dBm,
- Various adapters included (FC, SC, ST, 2.5 mm universal),
- **Built-in** VFL 650 nm fault locator,
- **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

|                        |   |
|------------------------|---|
| Detector wavelengths   | 800-1700 nm                                     |
| Calibrated wavelengths | MM: 850, 1300 nm, SM: 1310, 1490, 1550, 1625 nm |
| Dynamic range          | +10/-70 dBm (optionally +26/-50 dBm)            |
| Measurement accuracy   | +/-5 %  |
| Measuring units        | dBm, mW, dB                                     |
| Resolution             | 0.01 dB   |
| Emitter type           | 650 nm laser                                    |
| Optical adapter type   | Exchangable, 2.5 mm universal, SC, FC, ST       |

#### Other parameters

|                            |              |
|----------------------------|--------------|
| Battery running time       | 70 h         |
| 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

|                     |                         |
|---------------------|-------------------------|
| Weight              | 390 g                   |
| Dimensions          | 90x200x45 mm            |
| Display             | LCD 2.8", back-lit      |
| Working temperature | -10/+40 C               |
| Humidity            | 10%/90% No condensation |