

POF (Plastic Optical Fiber) Meters

FPM = Fiber Power Meter

PM = Power Meter

AM = Attenuation Meter

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Figure 1a: FPM dual optical channel



Figure 1b: AM Attenuation meter

POF Meters configurations

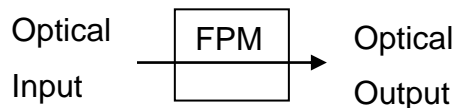


Fig. 2a: **FPM = Fiber Power Meter**

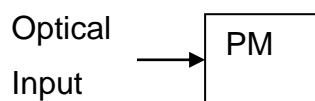


Fig. 2b: **PM = Power Meter**

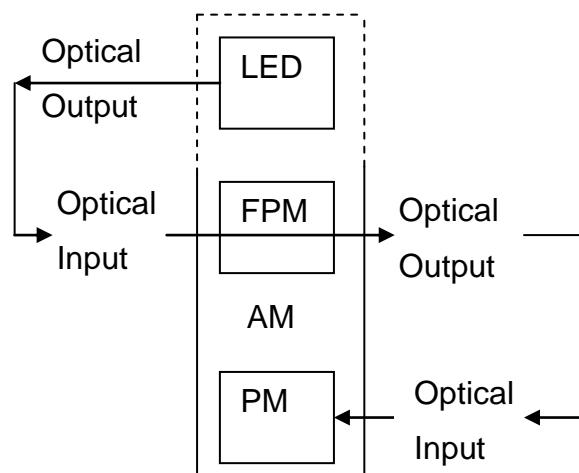


Fig. 2c: **AM = Attenuation Meter**

Configuration table

| Configuration | Opt. Inputs per 1 opt. channel | Opt. Outputs per 1 opt. Channel | Optical channels | LED Source |
|---------------|-----------------------------------|------------------------------------|---------------------|---------------|
| FPM | 1 | 1 | 1 or 2 | Possible |
| PM | 1 | – | 1 or 2 | Possible |
| AM | 2 | 1 | 2 (FPM+PM) | Useful |

Specification:

- Accuracy: $\pm 0,2\text{dB}$ (=5% in Watt)
- Attenuation: $< 3\text{ dB}$
- Displayed value: mode, average light power, address, **LED power**
- ID address: '0' ~ '9', 'A' ~ 'F'
- Interface: 2x RS232 (9600bps, 8 bit, 1 stop, no parity)
- Light power functions: actual, average (displayed), minimum, maximum
- Measurement mode: absolute value measurement (dBm)
input or output (configurable)
- Measurement period: 4 times per second
- Measurement range: $+ 10,00 \sim \text{approx. } - 35.00\text{ dBm}$
- Resolution: $0,01\text{ dBm}$
- Special functions: beep function (configurable)
LCD background (configurable)
controlled LED source
- Wavelength: 650 nm

Technical data

- Accessories: Plug-in Power Supply, 230VAC / 9VDC, 50Hz, 9VA
- Housing: Plastic, 50 x 100 x 25 mm
- Optics: Fiber: POF 1000/1520/2300 μm , 0.5m (resp. cust. specified)
Connectors: FSMA (resp. customer specified)
- Power: Voltage: 9 VDC, 65 mA (LCD light off), 115 mA (LCD light on)
Connector: Low voltage 5,1 mm
- Temperature: $15 \sim 35\text{ }^{\circ}\text{C}$
- Weight: 120 g

More information find in operating manual.

Specification are subject to change without notice.