# GF-OCPM-18

## Optical CWDM Power Meter

### 1. Product overview

The GLOBALfiber GF-OCPM-18 is a portable instrument for measuring optical power and wavelength in multi-wavelength CWDM optical systems. Its compact, mechanically stable construction supports outdoor field measurements.




### 2. Key features

- Simultaneous optical power and wavelength measurement
- 18 CWDM channels
- Compact, portable design for on-site measurement
- Color LCD with graphical display
- Quick start; no warm-up time required
- Shock-proof and splash-proof field design
- USB data transfer to PC; 5-pin charger
- Also operates as a conventional optical power meter

### 3. Applications

CWDM, FTTx, LTE, WCDMA, WDM-PON, WiBro and 3G/4G optical networks; multi-wavelength optical signal measurement.

### 4. Technical data

| Parameter | Specification |
|---|---|
| Measurement units | dBm / dB |
| Display | Color LCD; graphical measurement display |
| Power supply | Rechargeable lithium-polymer battery |
| Guaranteed operating time, fully charged | 600 min |
| Data transfer / charger | USB data cable / typical 5-pin charger |
| Dimensions | 78 x 155 x 35 mm |
| Weight | 250 g |

### 5. Recommended operating conditions

| Parameter | Specification |
|---|---|
| Operating temperature | 0 to +50 °C |
| Storage temperature / humidity | Not specified |

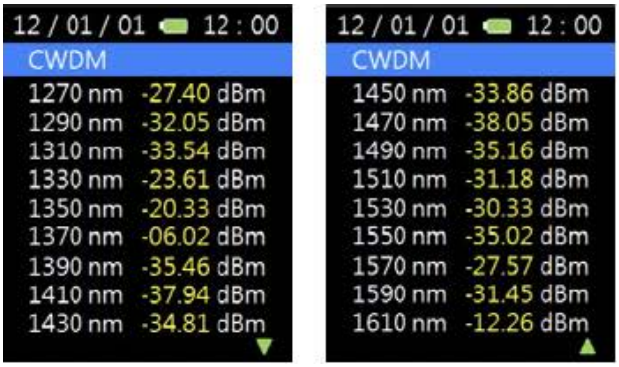
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### 6. Optical characteristics

| Parameter | Specification |
|---|---|
| Wavelength range | 1270 to 1610 nm |
| Number of channels | 18 |
| Measuring wavelengths (nm) | 1270 / 1290 / 1310 / 1330 / 1350 / 1370 / 1390 / 1410 / 1430 / 1450 / 1470 / 1490 / 1510 / 1530 / 1550 / 1570 / 1590 / 1610 |
| Wavelength resolution | 20 nm |
| Dynamic range | +10 dBm to -40 dBm |
| Absolute accuracy | < ±0.5 dB |
| Power resolution | 0.01 dB |
| Measuring units | dBm / dB |
| Optical interface | SC/PC (standard); FC, LC and ST available |

### 7. Measurement display and data management

Measurements are presented on a color LCD with graphical display. Stored measurement data can be saved to a PC using the USB data cable. A software CD is included in the standard package.




Measurement display examples from the original datasheet. Screen values illustrate the display and are not additional specifications.

### 8. Safety and regulatory

CE approval is stated in the original datasheet. The instrument is described as shock-proof and splash-proof; no numeric IP protection rating is specified.

### 9. Ordering information

| Parameter | Specification |
|---|---|
| GLOBALfiber product number | GF-OCPM-18 |
| Product description | Optical CWDM Power Meter |
| Standard package | 1 power meter with battery; 1 body rubber case; 1 USB data cable; 1 typical 5-pin charger; 1 software CD; 1 user manual |