# Data sheet/FDV

M E L B Y E

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|---|---|
| **Product name** | Optical Power Meter -50/+27 M Memory, Soft case, Software |
| **Product code** | 16405004 |
| **GTIN** | 7332811232961 |
| **ETIM-Class** | EC000305 |




## PRODUCT SPECIFICATIONS

OPM-50 paired with SLS-50 Intelligent Stabilized Laser Source can be used to identify fiber, measure attenuation and loss, verify continuity and evaluate fiber link transmission quality.
Automatic Wavelength Identification:
Compatible with the digital encryption protocols of SLS-50, OPM-50 can automatically identify the wavelength of the optical signals transmitted from SLS-50 and switch to the corresponding test mode, which greatly reduces the workload at both ends and avoids potential error.
Remote Reference Value Setting:
OPM-50 can receive the power parameters of digital-encrypted signal transmitted from SLS-50 as reference for precise link loss measurement even when the two units are far apart.
Internal Clock & Fiber S/N Editable:
Internal clock enables OPM-50 to save test data with time and editable fiber SN information.
Compatible with FTTx Test:
OPM-50 can be applied to measure Triple-play signals (1310nm, 1490nm and 1550nm) on Passive Optical Network (PON).

- Automatic wavelength identification
- Remote reference value setting
- FTTx applicable
- Internal clock & fiber S/N editable
- Memory of 1000 test records
- Data Transfer to PC via USB

- SB power charging
- No warm-up, quick start
- Backlight
- 70 hours continuous operation
- Pocketsize, lightweight and easy-to-use
- CE FCC certificates

## Measurements

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|---|---|
| **Length** | 240 mm |
| **Height** | 55 mm |
| **Width** | 55 mm |
| **Weight** | 220 g |

## Technical Specifications - Test & Measurement Equipment

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|---|---|
| **Fibre Type** | Singlemode, Multimode |
| **Calibrated Wavelengths** | 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm |
| **Auto Wavelength Identification** | Yes |
| **Power Range** | -50 ~ +27dbm |
| **Detector type** | InGaAs |
| **Resolution** | 0.01 dB |
| **Number Of Sampling Points** | 1000 |
| **Data Storage** | Yes |
| **Connectivity** | USB |
| **Connector Type** | SC/UPC |
| **Output Connector** | SC |
| **Battery Tye** | Li-Ion |
| **Battery Life** | 70 h |
| **Power Save Feature** | Yes |
| **Power Supply** | 230 vac |

## Physical Specifications - Test & Measurement Equipment

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|---|---|
| **Weight** | 315 g |
| **Length** | 177 mm |
| **Width** | 80 mm |

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|---|---|
| **Height** | 44 mm |
| **Relative Humidity** | 95 % |
| **Temperature ranges for Operation** | 0°c ~ 50°c |
| **Temperature ranges for transport and storage** | -20°c ~ 70°c |