

POWER METER FOR OPTIC FIBERS MONOMODE AND MULTIMODE 850nm-1300nm-1310nm-1550nm, WITH CONNECTORS FC/SC/ST



SMARTFIBER



Introduction:

SMARTFIBER with four wavelengths is an easy to use and lightweight fiber optic power meter that measures the power of light transmitting from an optical fiber. It includes interchangeable adaptor to connect FC, ST and SC type fiber connectors. It utilizes an InGaAs detector to improved sensitivity and temperature stability to test for standard optical power from +3 to -60dBm dynamic range. It can test both single-mode and multi-mode fiber cables, with the optional adaptor, users can test 2.5mm and 1.25mm fiber cables. For identification purposes, the SMARTFIBER can also receive modulate signals (270Hz, 1KHz, 2KHz) simultaneously. For fast and easy operation in testing the corresponding wavelengths, we recommend the OPTISOURCE as a complete set in auto-identifying wavelength of optical power source.

Features:

Sensor type : InGaAs.
Auto-identify wavelength indicator 270Hz, 1KHz, 2KHz, (compatibility with OPTISOURCE).
Automatic wavelength detection (when use with OPTISOURCE).
Wavelength: 850nm-1300nm (multimode) and 1310-1550nm, (monomode).
Unit : dBm or MilliWatts.
Dynamic range : +3dBm to -60dBm.
Resolution : 0,01dBm.
Accuracy : +/-0,15dBm (+/-1nW) at 1300nm/1310nm/1550nm and +/-0,25dBm (+/-2nW) at 850nm.
Auto power off for power saving : 30 min. without key pressed.
Connector type: FC/ST and SC.
Optional connectors : LC adapter, 2,5mm/1,25mm adapter.



Hardware & Electrical specifications:

Dimensions Receptor : 131 x 86 x 40mm, Weight : 230g.
Need 4 alkalines battery 1,5V type AAA LR03 (not include).

Item includes:

FM-257836 : Receptor power meter.
3 connectors type FC/ST/SC.
A protective carrying case.
User manual.

Options:

OPTICASE : Carrying case in aluminium for 2 OPTISOURCES + 1 SMARTFIBER or 1 SMARTFIBER-PRO
FA-002 : Adaptater for optical fiber 2,5mm/1,25mm.
FA-1201 : Adaptater FC male to LC female, monomode 9/125µm
FA-1202 : Adaptater FC male to LC female, multimode 62,5/125µm