

## Overview

Grandway FHP12-B is a low-cost and very small-sized optical power meter. It can measure optical fiber attenuation on six wavelengths. FHP12-B can be used together with a laser source for accurate attenuation measurements or alone to measure infra-red optical power from other sources.

## Features and versions

FHP12-B has a clear back-lit display. Results are shown either in linear or logarithmic scale. Device has low power consumption and it operates with two standard AAA (LR03) alkaline batteries.

FHP12-B measuring range is -50 ... +26dBm (at 1550nm), so it is suitable also for cable-TV environments. There is available also version FHP12-A which has measuring range -70 ... +10dBm.

FHP12-B has an universal 2.5mm connector for SC and FC test cords. Locking adapters for FC and SC are available as accessory.



## Technical specifications

Calibrated wavelengths	850, 1300, 1310, 1490, 1550, 1625nm
Sensor type	InGaAs
Connector	2.5mm female for FC and SC connectors
Accuracy (1)	$\pm 0,35\text{dB} \pm 10\text{nW}$
Resolution	0,01dB
Measurement range FHP12-B	-50...+26dBm (at 1550nm)
Measurement range FHP12-A	-70...+10dBm (at 1550nm)
Operating temperature	0...+40°C (relative humidity <90%)
Storage temperature	-20...+70°C (relative humidity <90%)
Power supply	2 x AAA (LR03) battery
Operating time	approx. 80 h (stand-by approx. 1600 h)
Dimensions	120 x 33 x 30mm
Net weight	70g

(1) Conditions: 1550nm, 23±3°C  
 (2) New batteries, 23±3°C

### FHP12-B basic setup

- FHP12-B optical power meter
- 2 x AAA battery
- 2.5 mm universal connector for FC and SC
- Protective bag
- User manual