

General Description

The FHM series optical loss test set combines a power meter and a dual-wavelength laser source for optical fiber network installation and maintenance. Typically FHM2B01 is used for testing two fibers connected in a loop or for testing fibers in both directions (back and forth).

Features

FHM2B01 supports six wavelengths: 850nm, 1300nm, 1310nm, 1490nm, 1550nm and 1625nm. FHM2B01 measuring range is -50 ... +26dBm (at 1550nm), so it is suitable also for cable-TV environment. Related product version FHM2A01 is similar equipment but with -70 ... +10dBm range.

Laser source supports 1310nm and 1550nm wavelengths on fixed -5dBm level.

FHM2B01 has a clear backlit LCD with linear and logarithmic optical power display. Up to 999 test results can be stored to the internal memory and later uploaded to a PC via USB interface.



Technical Specifications

Power meter	Calibration wavelength	850/1300/1310/1490/1550/1625 nm
	Connector	FC/PC interchangeable (SC/PC accessory)
	Data storage	999 items
	Ref. Value	Yes
	Display Units	dB / dBm / mW / uW
	Display precision	0.01 dB
	Accuracy	± 5%±1nW (1)
	Wavelength Recognition	1310/1490/1550 (2)
	Tone Detection	270Hz / 1kHz / 2kHz (2)
	Measuring Range	FHM2A01: -70 to +10 dBm FHM2B01: -50 to +26 dBm
	Laser source	Output wavelength
Connector		FC/PC interchangeable (SC/PC accessory)
Modulation frequencies		270/1k/2kHz
Output Power		-5dBm±0.5dB
Stability Long-term (8h)		±0.1dB@1310/1550nm;
Stability Short-term (15min)		±0.05dB@1310/1550nm ;
Wavelength Recognizing Code		Yes
General spec.	Auto Power off	Yes
	Power Supply	2pcs *NiHM 1.2V, 2000mAh; AC/DC Adaptor
	PC interface	USB
	Battery Life	> 100 Hours (laser off)
	Storage Temperature	-20°C~+70°C
	Operating Temperature	-10°C~+50°C
	Relative Humidity	<90% (Non-condensing)
	Dimensions, weight	168 × 76 × 43 mm, 310g

FHM2B01 basic setup

- FHM2B01 power meter & laser source
- SC/PC connectors (2pcs)
- Spare ferrules
- USB cable
- NiMH batteries
- 230Vac/6Vdc power adapter
- Application software CD
- User manual
- Carrying bag

(1) Conditions: 1550nm, continuous signal, 23±3°C, relative humidity ±70%

(2) Input power > -30dBm

Vesala Trading products branch covers affordable and hi-quality test equipment, accessories and tools imported by H. Vesala Ltd especially for fiber working.

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