

## Optical Power Meter

### Features

- Power meter and VFL integrated in one unit, this tester allows to perform both optical power/loss measurements and Fiber faults tracing visually. It has two ports, one is power meter, the other is VFL.
- Optical Power Meter is an ideal tester used in quickly mechanical splicing and FTTx networks.
- Optical Port: FC, SC, ST interchangeable supports various optical connectors.



### Specifications

Model	VT5502
VFL output power	≥1.8mw
Operating wavelength	850,1300,1310,1490,1550,1625nm
Detector Type	InGaAs
Power Measurement Range	-70~+10dBm
Uncertainty	±0.22dB
Resolution	0.01
Operation temperature	-10~+60 °C
Storage Temperature	-25~+70 °C
Auto-off function	Yes, Auto-off after 10minutes idle time
Battery Life @ OPM	180 hours
Battery Life @ VFL	60 hours
Power Supply	3pcs AA Batteries
Weight	700g (including batteries)
Size	192*102*50






### Standard Packages

MODEL	INCLUDES
Optical Power Meter	VFL Power Meter, 3pcs alkaline batteries, User Manual, Cotton swabs and Soft carrying case.

### Panel and Operation



### 1) Power On/Off

- Pressing “  ey turns on the unit.
- Pressing “  ey for few seconds to activate or deactivate auto-off function, under auto-off model, the unit will be power off automatically after 10 minutes idle time. When auto-off is not activated, the unit will be not power off automatically.
- Pressing “  ey for a longer seconds to turn off the unit.

### 2) Wavelength shift, VFL and Optical Power Measurements

Pressing “VFL” keypad to open or close 650nm VFL, when VFL is activated, the 650nm LED will light on, the LCD will show 650nm and “- - - ”to remind user that cannot perform optical power measurements.

Pressing “λ” to shift wavelength 850,1300,1310,1490,1550,1625nm

Pressing “UNIT” to shift units between dBm and mw.

Pressing “REF” for short time to shift between dB and dBm.

Pressing “REF” for a longer time to set the current optical power value as a reference.

### 3) Special Notice

**To avoid risk of eye damage, DO NOT look into the interface when VFL is activated.**

#### Normal Maintenance

- It is important to keep all optical connectors and surfaces free from oil, dirt, or other contamination to ensure proper operation.
- Keep using one type of Optical Adapter to avoid excess loss from different connectors.

- Please use dust-proof cap for protection to avoid being scratched or contaminated when not in operation.
- Light interface is sensitive, please carefully plug in and pull out connectors.
- Remove the batteries when the battery power become weak or when the unit is not in use for extended periods. This will prevent damage to the power meter from battery leakage at such times.

**Notes: Please use lens paper with cleaning liquid for sensor's surface cleaning, do it in clockwise direction carefully.**

### Trouble-shooting

Description	Probable cause	Method
Faint LCD display	Battery is inadequate	Change battery
Switch on but no display	Battery is inadequate /Others	Switch on again/Change battery
Insensitive display in LCD	Light interface is polluted or broken/Display locked	Check light interface carefully and clean sensor's interface

### Warranties and Servicing

**Caution: Repair it in the field is Forbidden.**

**18 months warranty for mini handheld Optical Power Meter.**

1) We warrant that the VFL Power Meter will be free from defects in material and workmanship for **18 months**. Should the device fail at any time during this warranty period, we will, at its sole discretion, replace, and repair or refund the purchase price of the product. The worth of the repair or replace will not be

higher than purchasing price of this unit.

**2)** If the problems occurred can not be solved by the trouble shooting methods, please contact us or the local distributor directly.

**3)** This warranty is limited to defects in our production, workmanship or material; we will repair or replace the unit free of charge. This warranty only applies to the unit under normal operation without any damage or wrong operation.

**4)** The warranty does not include the following problems:

- Repair the unit by yourself without our official authorization.
- Wrong operation or accident

**5)** As to the freight cost caused by repair or replaces the unit under warranty; it will be shared by the customer and our company.