

TY-8210 OPM+VFL User Manual

Features

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

Specifications

TYPE	TY-8210	
Operating wavelength(Power Meter Module)	1310, 1490, 1550, 850, 1300, 1625	
Detector Type	InGaAs	
Out put power(VFL module)	650nm 10mw	
Power Measurement Range	-70~+3 dBm	-50~+26 dBm
Uncertainty	±0.5 dB	
Resolution	0.01 dB	
Operation temperature	-10~+60 °C	
Storage Temperature	-25~+70°C	
Auto-off function	Yes, Auto-off after 10minutes idle time	
Battery Life @ OPM	200 hours	
Battery Life @ VFL	60 hours(1mw)	
Power Supply	3pcs AA Batteries	
Weight(g)	285	
Size(mm)	200×90×50	

Standard packages

1. Power Meter +VFL	1
2. Manual	1
3. 1.5V AA Battery.....	3
4. Cotton Swabs.....	1

Panel and Operation



Front Panel

1) Power On/Off

- Pressing “”key turns on the unit.
- Pressing “”key 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 “”key for a longer seconds to turn off the unit.

2) Wavelength shift, VFL and Optical Power Measurements

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

Pressing Mode to adjust the frequency of the VFL 0Hz or 2Hz.

Pressing “λ” to shift wavelength between 1490 and 1550nm.

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

Shanghai Thrive Industry Co., Ltd.

www.shthrive.com