



Combine Optical Power Meter + VFL

18650mAh Lithium Battery

USB Charging Port

Stable Quality

Accuracy Test

1mw/10mw/20mw/30mw VFL

SC/FC/ST Adaptor



I. Main Features

- Self-calibration
- Set the auto off
- Wavelength memory function after turning off the tester
- High Accuracy, high sensitivity, high linearity
- Stable VFL output
- USB charging port
- ST, FC, SC Connector
- 18650mAh Li-ion battery
- Lower power consumption design, long standby time
- Rubber out-shell increases the protective properties for fieldwork



1/10/20/30mw VFL



Optical Power Meter

II. Application

- Maintenance Telecom
- Maintenance CATV
- Test Lab of Fiber Optic
- Optical Fiber Sensors

III. Layout



- | | | |
|--------------|-----------------|------------------|
| ① Dust Cover | ② Power LED | ③ ON/OFF |
| ④ Wavelength | ⑤ Absolute Test | ⑥ Reference Test |
| ⑦ VFL | ⑧ LCD | ⑨ VFL LED |

IV. Specifications

Test Parameters		
Sub Model	TC-44A	TC-44B
Measurement Range (dBm)	-70~+10	-50~+26
Detector Type	InGaAs	
Optical Adaptors	FC/SC/ST	
Calibrated Wavelengths (nm)	850, 1300, 1310, 1490, 1550, 1625	
Accuracy (dB)	±0.2	
Power Measurement Linearity (dB)	±0.1	
Display Resolution (dB)	±0.01	
Power Display Units	dBm, mW, uW	
Visual Fault Locator		
Output Power (mw)	1/10/20/30	
Test Distance (km)	1~5km(1mw), 8~10km(10mw), 12~15km(20mw), 15~25km(30mw)	
Adaptor	2.5mm universal	
Laser Safety Rating	Class II	
Wavelength (nm)	650 ± 20	
Output Modes	Continuous (CW), 2Hz pulsed	
Reverse Battery Protection	Yes	
General Parameters		
Power Supply	18650mAh Li-ion battery	
Auto Off	10 minutes	
Working Time	>200h (only OPM working) >50h (10mw VFL&OPM working at same time)	
Working Temperature	-10°C~+45°C	
Dimension (mm)	160×75×10	
Weight (g)	250	





Test Srl

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