

# 2 IN 1 POWER METER & 10MW VISUAL FAULT LOCATOR



TED® 33005 2 in 1 Power meter is a compact & accurate tester with built-in 10mW visual fault locator.

## TECHNICAL SPECIFICATION

Wavelength range (nm)	850 ~ 1700
Detector type	InGaAs
Measurement range (dBm)	-50~ +26
Accuracy (dB)	± 0.3
Calibrated wavelength (nm)	850, 1300, 1310, 1490, 1550, 1625
Resolution (dB)	0,05
Output power (VFL) (mW)	10
Estimated range (Km)	10
Transmission frequency	CW/2Hz
Operating temperature (°C)	-10~+60
Storage temperature (°C)	-25~+70
Automatic shutdown (min)	10
Operating time (h)	130 hours
Power supply	3 batteries AAA 1.5 volts/ Micro-USB
Weight & Dimensions	70g (without batteries) - 128 x 52 x 22 mm

## MAIN FEATURES


- High accuracy, wide dynamic range
- Ergonomic pocket-sized design
- High-definition LED screen
- 2.5mm adaptors interface FC/SC/ST
- Wavelength memory function
- Micro-USB
- Energy saving automatic shutdown
- 6 Wavelengths
- 3 measurements units : dBm/dB/mW


## APPLICATIONS

- Measures of power loss on an optical fiber cable
- Help to identify a potential fault on fiber optic cable

## FEATURES



• ON/OFF power button 

• Lambda  $\lambda$  

1. Press the button to switch ON/OFF the power meter
2. 2nd press to activate automatic shutdown control
3. 1 second long press switch OFF the power meter

Selects measurement wavelength from 850 nm to 1625 nm.

• dBm/dB 


Selects the measurement unit dB, dBm, mW and set the value of the optical power relative to the wavelength.

## UTILISATION

1

Absolute optical power measurement:

Switch ON the tester pressing 


Set the wavelength using the button 


Standard setting is 1310 nm.

Absolute power shall be displayed when the signal is received

2

Power measurement optical power:

Set the wavelength using the button 

Perform an absolute optical power measurement (refer to section 1) To obtain the reference used & then press the key to tare.  (Set to 0).


Relative power is calculated as a delta between power related to the reference

3

Visual fault locator (VFL):

Connect the fiber optic cable to the VFL adaptor.

Press & hold the button to switch ON the VFL & perform a continuity 

Press 2 time the same button to switch OFF 

## MAINTENANCE

- Keep the power meter adaptor's clean at all times, free from dust & contamination
- Keep the protection cap when you stop using the tester
- When the power meter is not in use, avoid exposure to prevent any measurement error
- Be sure to connect carefully the connector to avoid scratching the power meter adaptor
- Regular cleaning of the optical adaptor with the cleaning pen (PN 34004).
- Remove the batteries if you do not intend to use the photometer for a long time, to prevent oxidation of the batteries, which can affect the tester measurement performance

## SAFETY & RECOMMENDATIONS

- Don't expose your eyes with direct contact to the laser.
- Avoid any contact to dust & liquid
- Avoid damage to fall.

## MAINTENANCE TIPS

TYPE OF FAULTS	POSSIBLE EXPLICATIONS	SOLUTIONS
Low screen display	Batteries are low	Replace the batteries
No display	Batteries are low/contact our SAV	Replace the batteries + switch ON/OFF
Data remains unchanged	Dirty adaptor	Check the adaptor & use the cleaning pen
Low laser output	Batteries are low	Replace the batteries

To be recycled in accordance with current regulations.