

YAXX TC-800 Series POWER METER&LIGHT SOURCE TEST KIT

SM/MM FIBER TEST KIT: POWER METER AND LIGHT SOURCE



I. INTRODUCTION

YAAX Fiber Test Kit is designed for loss measurements over single-mode and multimode networks. Rugged palm-sized units are ideal for field use. It includes: TC-48 Power Meter and TC-68 Light Source.

TC-48 Optical Power Meter is a self-developed test instrument which is widely used for installation, operation and maintenance of fiber-optic network. TC-48 can test optical power within the range of 800~1700nm wave length. There are 850nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm, six calibrated wavelength.

TC-68 Optical Light Source is a self-developed instrument, which features advanced control technology, high output, ultra low-power operation. It can work at 1550nm, 1490nm, 1310nm, 1300nm, 850NM, and single wavelength/dual-wavelength/ tri-wavelength. It can export a variety of modulation frequency (CW, 270HZ, 1KHZ, 2KHZ). It is widely used in optical communication, optical measurement, optical fiber sensing and so on.

II. FEATURES

- Auto-off function
- Backlight LCD display
- User self-calibration function
- SC+ST+FC connectors are included
- High measurement accuracy and display resolution
- AAA batteries which is more convenient to carry

III. PICTURES



SC/FC/ST Adapters



Back Side

IV. SPECIFICATIONS

TC-48 OPTICAL POWER METER



Sub Model	TC-48A	TC-48B
Measurement Range (dBm)	-70 ~ +10	-50 ~ +26
Wavelength (nm)	800 ~ 1700nm	
Detector	InGaAs	
Accuracy	<±3% (-10dBm, 22 °C)	
Calibrated Wavelength (nm)	850, 1300, 1310, 1490, 1550, 1625	
Resolution	Linearity: 0.1%; Non-linearity: 0.01dBm	
Optical Connector	FC/SC/ST (FC-LC converter is optional)	
Power Supply	Alkaline Battery (3pcs AAA batteries)	
Battery Operating Time	>120h(without backlight)	
Operating Temperature (°C)	-10 ~ +50	
Storage Temperature (°C)	-20 ~ +70	
Relative Humidity	0 to 90% (non-condensing)	
Dimension (mm)	130 X69 X29	
Weight (g)	160	

TC-68 OPTICAL LIGHT SOURCE



Sub Model	TC-68A	TC-68B	TC-68C
Wavelength (nm)	1310/1550	850/1300	1310/1490/1550
Emitter Type	FP-LD		
Optical Connector	FC/SC/ST		
Output Power (dBm)	≥ -7dBm		
Output Stability (dB)	±0.04@20°C@15min		
Modulation Frequencies	CW, 270Hz, 1KHz, 2KHz		
Fiber Type	SM, MM		
Power Supply	AAA 1.5V (3pcs batteries)		
Working Time (h)	40		
Operating Temperature (°C)	-10~+50		
Storage Temperature °C)	-20~+70		
Dimension (mm)	125*65*29		
Weight (g)	160		



NO.	ITEM	QTY.
1	TC-48 Optical Power Meter	1 PCS
2	TC-68 Optical Light Source	1 PCS
3	SC/FC/ST Adapters for TC-48 Optical Power Meter	1 SET
4	SC/FC/ST Adapters for TC-68 Optical Light Source	1 SET
5	User Manual for TC-48 Optical Power Meter	1 PCS
6	User Manual for TC-68 Optical Light Source	1 PCS
7	AAA Dry Batteries	6 PCS