



TC-900 Series

POWER METER&LIGHT SOURCE TEST KIT

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



I. INTRODUCTION

TC-900 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-55 Power Meter and TC-65 Light Source.

TC-55 Optical Power Meter offers a quick and accurate testing solution on both SM and MM fibers. Compared with a power meters, has more great functions/features such as automatic wavelength identification and switching, as well as intelligent backlight control. What's more, this type has features of good appearance; good touch feeling and considerate humanization design.

TC-65 Optical Light Source can provide 2 to 5 wavelengths output according to the specific requirements including 1310/1550/1300/850/1490/1625nm. Other wavelengths can be made according to customer needs. Together with optical power meter, it acts as a perfect solution for the fiber optic network.

II. FEATURES

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



III. PICTURES



SC/FC/ST Adapters



Back Side

IV. SPECIFICATIONS

TC-55 OPTICAL POWER METER

Sub Model	TC-55A	TC-55B
Measurement Range (dBm)	-70 ~ +3	-50 ~ +26
Detector Area (mm)	Ø 0.3	
Uncertainty (dB)	±0.15(3.5%)	
Linearity (dB)	±0.02	
Calibrated Wavelength (nm)	850/1300/1310/1490/1550/1625	
Display Resolution (dB)	0.01	
Frequency ID (Hz)	270, 1K, 2K	
Date Storage Capacity	1000	
Communication Port	USB	
Optical Connector	SC/FC/ST	
Detector Type	InGaAs	
Power Supply	Alkaline Battery (3 AA 1.5V batteries)	
Battery Operating Time (h)	200	
Operating Temperature (□)	-10 ~ +60	
Storage Temperature (□)	-25 ~ +70	
Relative Humidity (%)	0 to 95 (non-condensing)	
Dimension (mm)	200 X90 X50	
Weight (g)	285	

TC-65 OPTICAL LIGHT SOURCE

Sub Model	TC-65A	TC-65B	TC-65C	TC-65D	TC-65E	TC-65F
Wavelength (nm)	1310/1550	850/1300	1310/1490 /1550	850/1300 1310/1550	850/1300 1310/1490 /1550	1310/1550 /1625
Applicable Fiber	SM, MM					
Laser Type	FP-LD (others specify on requests)					
Max Output Power	-7 dBm (can be adjustable and others specify on requests)					
Stability (dB, 15min, 20□)	±0.1					
Stability (dB, 30min, 20□)	±0.05					
Modulation (Hz)	CW, 270, 1K, 2K					
Optical Connector	FC/SC/ST					
Power Supply	Alkaline Battery (3 AA 1.5V batteries)					
Battery Operating Time	45h with 1.5V Battery (3)					
Operating Temperature (□)	-10 ~ +60					
Storage Temperature (□)	-25 ~ +70					
Relative Humidity (%)	0 to 95 (non-condensing)					
Dimension (mm)	200 X90 X50					
Weight (g)	285					

V. PACKAGE



NO.	ITEM	QTY.
1	TC-55 Optical Power Meter	1 PCS
2	TC-65 Optical Light Source	1 PCS
3	Carrying Bag	1 PCS
4	SC/FC/ST Adapters for TC-55 Optical Power Meter	1 SET
5	SC/FC/ST Adapters for TC-65 Optical Light Source	1 SET
6	User Manual for TC-55 Optical Power Meter	1 PCS
7	User Manual for TC-65 Optical Light Source	1 PCS

VI. ORDERING INFORMATION

This Fiber Test Kit includes TC-55 Optical Power Meter and TC-65 Optical Light Source. Please kindly choose the proper sub-models that you need.

SUB MODEL	CONFIGURATION
TC-900-AA	TC-55A Optical Power Meter(-70~+3dBm)+ TC-65A Optical Light Source(1310/1550nm)
TC-900-AB	TC-55A Optical Power Meter(-70~+3dBm)+ TC-65B Optical Light Source(850/1300nm)
TC-900-AC	TC-55A Optical Power Meter(-70~+3dBm)+ TC-65C Optical Light Source(1310/1490/1550nm)
TC-900-AD	TC-55A Optical Power Meter(-70~+3dBm)+ TC-65D Optical Light Source(850/1300/1310/1550nm)
TC-900-AE	TC-55A Optical Power Meter(-70~+3dBm)+ TC-68E Optical Light Source(850/1300/1310/1490/1550nm)
TC-900-AF	TC-55A Optical Power Meter(-70~+3dBm)+ TC-65F Optical Light Source(1310/1550/1625nm)
TC-900-BA	TC-55B Optical Power Meter(-50~+26dBm)+ TC-65A Optical Light Source(1310/1550nm)
TC-900-BB	TC-55B Optical Power Meter(-50~+26dBm)+ TC-65B Optical Light Source(850/1300nm)
TC-900-BC	TC-55B Optical Power Meter(-50~+26dBm)+ TC-65C Optical Light Source(1310/1490/1550nm)
TC-900-BD	TC-55B Optical Power Meter(-50~+26dBm)+ TC-65D Optical Light Source(850/1300/1310/1550nm)
TC-900-BE	TC-55B Optical Power Meter(-50~+26dBm)+ TC-65E Optical Light Source(850/1300/1310/1490/1550nm)
TC-900-BF	TC-55B Optical Power Meter(-50~+26dBm)+ TC-65F Optical Light Source(1310/1550/1625nm)



TEST SRL

Strada Vicinale Battifoglia 14/N
06132 Sant'Andrea delle Fratte (PG)
Tel. 0758788003
Email. pinto@test-italy.com
Web. www.test.it

