

OFT-855D

SMPTE Hybrid Cable Checker Set

Description:

The OFT-855D set consists of SMPTE Tester and SMPTE Remote unit – Loopback. The hybrid cable checker is designed for testing of optical power level in optical fibers and continuity of copper pairs in hybrid cables. It combines optical light source, optical detector and copper wires checker. The Tester is equipped with Display. The Remote unit is just a passive Loopback.

It is ideal for testing large spaces of SMPTE Hybrid System for Broadcast Infrastructure Networks. The ruggedized aluminium case makes the unit ideal for field operation. The Lithium rechargeable battery ensures long term working with minimal operation costs.



OFT-855D
Cable Checker Set

Features:

- Hybrid cables – fiber optic and Cu pairs checking
- Ruggedized aluminium case
- Equipped with Display
- Automatic operation check all fibers and wires
- Able to detect incorrect fiber and wire, disconnection and short circuit connection
- Built-in charger, battery status indicator
- Easy to use

Standard accessories:

- Power charging adaptor
- Carrying case
- USB Cable

Application:

- Broadcast Infrastructure networks measurements
- SMPTE compatible HDTV system

Specifications:

Optical Light Source:			
Output power			Note:
850 nm, 1300 nm	-26 dBm (62.5/125 µm fiber)		typ. value
1310, 1490, 1550, 1625 nm	-16 dBm		
Stability (1 hour, delta/2):			
850 nm, 1300 nm	± 0.10 dB		tested after 20 min warm up temperature 23 ± 1°
1310, 1490, 1550, 1625 nm	± 0.10 dB		

Optical Power Meter:		
Photodetector	1 mm InGaAs	
Working wavelengths	MM: 850, 1300 nm SM: 1310, 1490, 1550, 1625 nm	can be customized
Uncertainty	± 12%	1310, 1550 nm @ -20 dBm
Resolution	0.01	
Dynamic range	-60 dBm to +10 dBm -53 dBm to +17 dBm	1300, 1310, 1490, 1550, 1625 nm 850 nm

Electrical wires checking:

Electrical wires continuity
Short circuit
Isolation
Electrical contacts – pins interconnection

General specifications:

Dimensions	150 x 45 x 45 mm 65 x 45 x 45 mm	tester source	without connectors
Weight	250 g		with battery
Temperature operating storage	-10 to +50 °C -40 to +70 °C		
Humidity (non condensing)	0 to 95%		
IP rating	IP 54		
Battery working time	> 20 hrs		between battery charging

Ordering Code:
OFT-855D¹ - XX - XXXXX - XXX

M5 (MM)	MM 50/125 μm		Source wavelength as below
M6	MM 62.5/125 μm		
SM	Single mode		
Connector type			
3K93C	SMPTE compatible HDTV connection system 3K.93C series		
other	on request		

Note: 1) D – checker with display

light source code	Description ²	application
850	850 nm	MM fiber testing
30	1300 nm	
31	1310 nm	SM fiber testing
55	1550 nm	
62	1625 nm	

Note: 2) other wavelengths on demand