WST.TE.HDTV SMPTE Hybrid cable checker

Description:

Made exclusively for LEMO

The WST HYBRID CABLE CHECKER set consists of an SMPTE measuring unit and an SMPTE loopback. The hybrid cable checker is designed for testing optical power level in optical fibers and the continuity of copper pairs in hybrid cables. It combines an optical light source, optical detector, and copper wires checker.

It is ideal for testing large spaces of the LEMO 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 minimum operating costs.

Features:

- Hybrid cables – fiber optic and Cu pairs checking
- LED quick signalization
- Automatic operation check of all fibers and wires
- Detects incorrect fiber and wire connection, disconnection and short circuit connection
- Built-in charger, battery status indicator

Specifications:

Optical Light Source:		Note:
Wavelength	1310 nm	typ. value
Output power	-6.0 dBm	typ. value

Optical Power Meter:		
Photodetector	1 mm InGaAs	
Working wavelengths	1300 nm	can be customized
Resolution	0.01	
Dynamic range	-40 dBm to +5 dBm	

Electrical wires checking:

- Electrical wires continuity
- Short circuit
- Isolation
- Electrical contacts – pins interconnection

Quick LED check:

Green   OK normal operational status

Orange   Warning: fiber out of limit, wires OK, copper wires problem, fiber OK

Red   Failure: copper wires problem, IL of optical fiber is out limit

General specifications:

Dimensions	150 x 45 x 45 mm measuring unit 65 x 45 x 45 mm loop back 330 x 250 95 mm case	without connectors without connectors
Weight	1.9 kg	Complete set with case
Temperature operating Temperature storage Humidity (non condensing)	-10 to +50 °C -40 to +70 °C 0 to 95%	
IP rating	IP 54	
Battery working time	> 20 hrs	between battery charging

Application:

- Broadcast Infrastructure networks measurements
- SMPTE compatible HDTV system

Standard Accessories:

- Power charging adaptor
- Carrying case
- USB Cable

Ordering code:
Part number:
WST.TE.HDTV   SMPTE Hybrid Cable Checker Set

WST HYBRID CABLE CHECKER
complete set with options

WST HYBRID CABLE CHECKER SMPTE main unit and loopback

SMPTE cabling check: