

WST.TE.HDTV

SMPTE Hybrid cable checker

Made exclusively for LEMO

Description:

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.



WST.TE.HDTV SMPTE Cable Checker Set

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

Standard accessories:

- Carrying case
- Power charging adaptor
- USB-C Cable
- Manual
- Cleaning Instructions

Options:

- LEMO connectors cleaning tool (DCS.F2.N02.PA)
- LEMO sleeve extraction tool (DCS.F2.035.PN)
- LEMO cleaning kit for F2 contact (WST.KI.125.34)

Application:

- Broadcast Infrastructure networks measurements
- SMPTE compatible HDTV system

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	1310		can be customized
Resolution	0.01		
Dynamic range	-40 dBm to +5 dBm		
General specifications:			
Dimensions	150 x 45 x 45 mm 65 x 45 x 45 mm 330 x 250 95 mm	measuring unit loop back case	without connectors without connectors
Weight	1.9 kg		Complete set with case
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

Electrical wires checking:

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

Quick LED check:

Green

Orange

Red

OK

Warning:

Failure:

normal operational status

fiber out of limit, wires OK

copper wires problem, fiber OK

copper wires problem

IL of optical fiber is out limit

Part number:

WST.TE.HDTV

SMPTE Hybrid Cable Checker Set



WST HYBRID CABLE CHECKER
complete set with options



USB-C Connector

WST HYBRID CABLE CHECKER SMPTE main unit and loopback

SMPTE cabling check:

