

SMPTE CABLE TEST SET

TEST YOUR SMPTE CORDS IN THE FIELD



The SMPTE Test Set is designed to evaluate SMPTE hybrid cable assemblies. It consists of a Control Unit and a Remote Unit that have been designed to operate under harsh working conditions. Together, they provide a solution that measures the transmission loss of the optical fibers and determines if the copper conductors are wired correctly.

The Control Unit is housed in a rugged resin case and is simple and straightforward to operate. All functions are accessible from three buttons located on the face of the instrument. Optical power loss is displayed on a large digit LCD readout that provides easy viewing and readability in sunlight. Copper conductor wiring is indicated using a matrix of multi-colored LED's that make it easy to quickly determine if any of the conductors are broken, short circuited or cross wired. The test set is also outfitted with a visible fault locator to help diagnose issues with the optical fibers. The Remote Unit consists of a completely passive loopback housed in a compact and rugged aluminum enclosure.

The Control Unit has a SMPTE hybrid broadcast cable fixed plug connector and Remote Unit uses a SMPTE hybrid fixed socket. This allows the cable to be tested without removing it from a permanent installation.



SPECIFICATIONS

Power Meter Receiver

Detector	2mm Germanium (Ge) photo-diode
Wavelength	1310nm
Resolution	0.01dB
Measurement Range	60dBm
Accuracy	+/- 0.3dB

Light Source

Wavelengths	1310nm +/- 30nm
Output Power (9/125um core)	-1 dBm Typical
Spectral Width (FWHM)	5nm Typical
Visible Fault Locator (VFL)	650nm

Power – Control Unit

AC Power	110/120 or 220 volt AC Charger/Adapter
Battery	4 "AA" cells, NiMH
NiMH Battery Life (@ 25°C)	12 hours Typical
NiMH Recharge Time	9 hours Typical

Temperature Range

Operating	-10 to +50 deg. C (14 to 122 deg. F)
Storage	-40 to +60 deg. C (-40 to 140 deg. F)

Physical – Control Unit

Dimensions - Height/Width/Depth	8 1/4" (21 cm) H x 6 1/2" (16.5 cm) W x 3 5/8" (9.2 cm) D
Weight	2.25 lbs. (1 kg)

