

NUGEN V2 SMPTE CABLE TEST SET



The Next Generation 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 case and is simple and straight-forward to operate. All functions are accessible through touch-screen operation. Optical power loss and copper conductor wiring are both displayed on-screen to make it easy to quickly determine the integrity of your SMPTE cable. It will show if there is a faulty optical connection as well as faulty electrical connections including broken, short-circuited, and cross-wired conductors.

The optional VIS300SMPTE Video Inspection Probe provides automated on-screen examination of the SMPTE optical connectors to minimize loss of transmission due to dirty or damaged connectors. The test results can be saved to the instrument and downloaded to the computer for reporting.

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

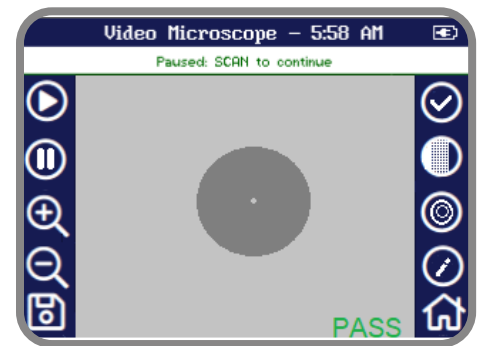
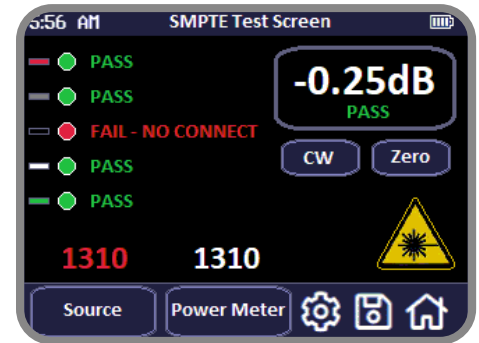
Detector	InGaAs photo-diode
Wavelength	1310nm / 1550nm
Resolution	0.01dB
Measurement Range	60dB
Accuracy	+/- 0.2dB

LIGHT SOURCE

Wavelengths	1310nm/1550nm
Output Power (9/125um core)	-1 dBm Typical
Spectral Width (FWHM)	5nm Typical
Visible Fault Locator (VFL)	650nm

CONTROL UNIT SPECS

Power Requirement	USB 5V, 2A
Battery	Li-poly
Battery Life (@ 25°C)	10 hours Typical
Recharge Time	4 hours Typical
Operating Temperature	-10°C to +40°C
Storage Temperature	-20°C to +60°C
Display	4 in Color TFT
Dimensions - Height/Width/Depth	5.25"L x 6.125"W x 2.5"H (133mm L x 156mm W x 64mm H)
Weight	1.5 lbs. (0.7 kg)
Accessories Included	5V, 3.4A USB Wall Charger with USB Cable, 2 Stylus, FIS Connect PC Software, Manual



ORDERING INFORMATION

FBSTS02NG	SMPTE Test Set
VIS300SMPTE	SMPTE Video Scope Probe
FBSTS02NGVIS	SMPTE Test Set w/ SMPTE Video Scope Probe

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