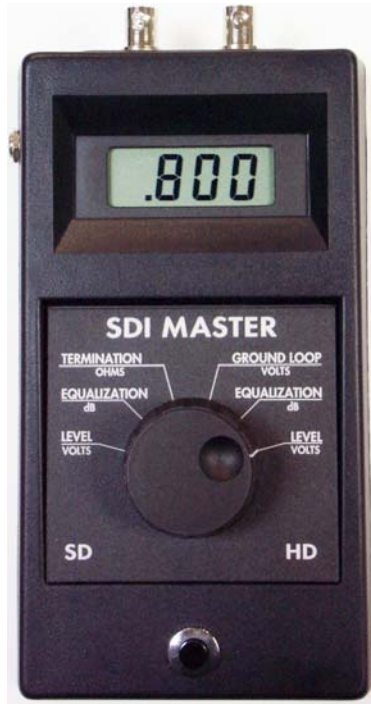


SDI-1



SDI MASTER

The SDI MASTER is a digital, hand-held, battery operated meter that measures six characteristics of High Definition and Standard Definition digital television signals. Use it for fast and accurate set-up and verification of levels, slope-loss and return loss on any SDI (Serial Digital Interface) Digital Television Signal. This meter is a must have for anybody working with digital TV. Here's what it will measure.

HDTV

- Level Reads peak-to-peak amplitude of your HDTV signal.
- Equalization Check the high frequency loss due to cable-slope.

SDTV

- Level Reads peak-to-peak amplitude of your SDTV signal.
- Equalization Check the high frequency loss due to cable-slope.

HDTV/SDTV

- Termination Measure terminations and return loss.
- Ground Loop See if ground loop is causing poor bit error rate.

Use this meter to measure your data signal amplitudes at all points in your system. A low or high data level can contribute to poor overall performance of your digital system. Unknown, incorrect levels can cause intermittent data delivery. All the levels in and out of your digital equipment can be checked and verified for proper operating level.

The Equalization measurement of the meter will show you the cable slope loss anywhere in your system. These measurements will point out losses that contribute to high Bit Error Rate and corruption of the data. You can use this measurement to balance the placement of any data amplifiers and Re-clocking amplifiers to reduce Jitter and the Bit Error Rate induced by that Jitter.

The Terminations in a digital signal path are critical. Do you know what they are? This meter will measure the terminations at the end of any path, to give you reassurance that your terminations are not causing troublesome return loss, a direct cause of data errors.

You can also measure all Ground Loop interfering signals in your system to identify them, so you can remove them and prevent intermittent ground loop spikes from corrupting your data signal.

HDTV

MEASUREMENT SPECIFICATION

Formats:

1080i/60,1080i/59.94,1080i/50,1080p/30,1080p/29.97,1080p/25,
1080p/24,1080p/23.98,1080PsF/24,1080PsF/23.98,720p/60,720p/59.94,
720p/50,720p/30, 720p/29.97, 720p/25, 720p/24, 720p/23.98,

Level .000-1.999 Volts (800mV pp).
Cable Slope Loss 0-40dB

SDTV

Formats:

525i/59.94, 625i/50

Level .000-1.999 Volts (800mV pp).
Cable Slope Loss 0-40dB

HDTV/SDTV

Termination .000-199.9 Ohms (75.0).
Return Loss Instruction book conversion table.
Ground-Loop .000-10.99 Volts (60Hz).

CONNECTORS

HDTV/SDTV

2 BNC (female).

Charger Jack

2.5mm x 5.5mm barrel type.

POWER

Battery Type

9 Volt Alkaline.

Power On

Push Button Switch

Low Battery Indicator

All Decimal Points On.

MECHANICAL

Size

4"W. x 8"L. x 2"D.

Numeric Display

½" High 3-1/2 Digit LCD Display

Measurement Selector

6 Position Rotary Switch

Tilt-Stand

Folding Wire Bail

Ni-cad Battery & Charger

Sold Separately (SDI-BATT)