

SENCORES' SLM 1456 CM is now providing installers and installer/techs with the most comprehensive test & measurement tool in one hand-held package ...

DOCSIS 2.0!



SLM 1456 CM

RF Signal and Cable Modem Analyzer

The SLM 1456 CM provides everything you've been looking for in a signal level meter ..

Analog and Digital Measurements

- 5-1000 MHz – Test return path signals and your highest channel or frequency with ease
- Analog signal level, A/V ratio, C/N and HUM
- Digital average peak power, MER, Pre/Post BER, Constellation for QAM A/B/C 16, 32, 64 and 256, plus 8VSB

Spectral Display

- Provides a complete spectrum for channel or frequency analysis, bar display for quick review of all carriers, plus a quick and easy Tilt check

DOCSIS 2.0 Network Measurements

- Pre-qualify, measure, and troubleshoot high speed cable network connections; including downstream, upstream and IP layer parameters

Frequency Agile Leakage Detector

- 115 – 140 MHz, Measure signal leakage for compliance reports, or use the audible tone to “Find & Fix” problems quickly and easily

Ingress Test

- Test forward and return paths to insure service is free from unwanted noise.

Data Management Software included

- Used for firmware upgrades, meter setup and downloading logged data records for reports.

All these features and more are packaged in one meter at an affordable price!

Specifications

Automatic or Manual Spectral Analysis:

Frequency Range: 5-1000 MHz
Dynamic Range: >60 dB
Resolution Bandwidth: 100 kHz
Reference Level: TV from 10 dBuV to 125 dBuV
Marker Frequency: 5-1000 MHz
Marker Analog or Digital: Automatic
Bar Scan: From 19 to 120 Channels (selectable)
Storage of Bar Scan: Up to 20 pictures

Analog Measurements:

Frequency Band: TV and Radio 5-1000MHz
Frequency Resolution: 62.5 kHz
Input Impedance: 75 Ohms
Dynamic Range: 15 dBuV to 125 dBuV
-45 dBmV to +65 dBmV
-98 dBm to +16 dBm
Measurement Resolution: 0.1 dB
Measurement Accuracy:
Signal Level: 1 dB typical (2 dB max.)
A/V Ratio: 1.5 dB typical (2 dB max.)
C/N Ratio: 2 dB typical (4 dB Max.)
Meas. Filter Bandwidth: 100 kHz @ -3 dB
Channel Plan Memory: 600 Memory positions

Digital Measurements:

Digital Measurements for 8 VSB, QAM 16-32-64-256 (Annex A,B,C)
Frequency Band: 5-1000 MHz
Dynamic Range: -35 dBmV to +56 dBmV
BER Measurement:
Pre: bBER up to 1×10^{-8}
Post: bBER up to 2×10^{-9}
MER Measurement: 17 dB to 36 dB
Constellation Display: 64-128-256 (on graphics display)

DOCSIS Measurements:

DOCSIS 2.0 Compliant Device
Frequency Band: 5-1000 MHz
Input Impedance: 75 Ohms
Range: -45 dBmV to +65 dBmV
Measurements include: Level, MER, Pre/Post BER, Lost Packet, Transmit Power, Transmitted Packets,
Received Packets, PER, Latency Min/Max/Avg
MAC Address: Default or User Defined
Measurements for Upstream, Downstream and IP Status

General Specifications:

Voltmeter Function: AC (Square wave) DC, 0-100V
Channel Plan Master Copy: (Optional via PC)
Power Supply: Built-in NiCad rechargeable battery
External Power Supply 17 VAC or
20 VDC, 1A
Battery Duration at 25 Deg. C: 4-6 Hours in Analog
3-4 Hours in Digital
Size: H 11.8" x W 4.33" x D 2.36"
Download Port: RS232 standard serial port
Display: 128 x 128 pixels, 2.5" square LCD