



SLM 1456 CM

RF Signal & Cable Modem Analyzer

The SLM 1456 CM provides everything you've been looking for in a signal level meter - Analog and Digital Measurements including Pre/Post BER and MER, Leakage and Ingress Capabilities, Spectral Display, and now DOCSIS 2.0 Network Testing Capabilities - All At An Affordable Price

All Channel/Frequency Tuning: From 5-1000 Mhz allows you to test return path signals and your highest channel or frequency with ease.

Auto Attenuation: From -40 to +60 dBmV for full signal measuring capabilities.

DOCSIS 2.0 Network Measurements: Allows you to pre-qualify, measure, and troubleshoot high speed cable network connections including downstream, upstream, and IP layer parameters.

Digital Signal Measurements: Includes critical parameters such as Avg. Peak Power, MER, Pre/Post BER, and Constellation for QAM A/B/C 16, 32, 64, and 256, plus 8 VSB Broadcast signals.

Full Featured Spectral Display: Provides you with a complete channel spectrum, single channel display, or bar graph display for a quick review of all carriers.

Analog Signal Measurements: Including Signal Level, A/V ratio, C/N, and HUM

Signal Leakage: Measure signal leakage, or use audible tone and leakage level adjustment as a leak detection device on every installation.

Ingress Testing: Allows you to test both the forward and return path from the ground block into the home or from the line extender to the ground block to ensure it is free of unwanted noise.

Data Logging System: Allows you to save and print all data for future reference or completed installations.

Specifications

Automatic or Manual Spectral Analysis:

Frequency Range: 5-1000 Mhz
Dynamic Range: >60 dB
Resolution Bandwidth: 100KHz
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 5-1000 Mhz
Frequency Resolution: 62.5 KHz
Input Impedance: 75 Ohms
Dynamic Range: 15 dBuV to 125 dBuV
or -45 to +65 dBmV
or -98 tp +16 dBm
Measurement Resolution: 0.1dB
Level Measurement acc.: 1dB typ.(2 dB max.)
A/V Ratio: 1.5 dB typ. (2 dB max.)
C/N Ratio: 2 dB typ. (4 dB max.)
Measur. Filter Bandwidth: 100KHz @ -3dB
Channel Plan Memory: 600 memory positions

Digital Measurements:

Digital measurement for 8 VSB, QAM 16-32-64-256 (Annex A,B,C)
Frequency Band: 5-1000 Mhz
Power Measurement Dynamic Range: From -35 to 56 dBmV
BER Measurement: bBER up to 1 x 10⁻⁸
(after Reed Solomon) aBER up to 2 x 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 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 Downstream, Upstream, and IP Status

General Specifications

Voltmeter Function: AC (Square wave) DC, 0-100V
Channel Plan Master Copy: (Optional via PC)
Power Supply: Built-in NI-CD rechargeable battery
External Power Supply 17VAC 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

For More Information Call:
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