

Hukk CM1000-SLM

SIGNAL LEVEL METER OPTION



The CM1000-SLM Module combines analog measurement capability with the unsurpassed digital measurement and cable modem testing capabilities of the CM1000

The SLM Module adds state-of-the-art Signal Level Meter measurement capability, making the CM1000 the true "one meter solution" for testing and troubleshooting analog and digital signals for all Cable TV and digital networks.

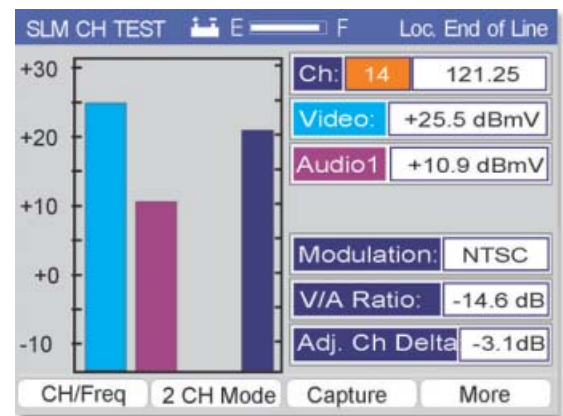
The standard CM1000 offers Cable Modem Emulation, Upstream and Downstream Digital Levels, BER, MER, Constellation, Frequency Response and Equalizer measurements. The SLM option adds the ability to make critical analog measurements, such as: single channel tests, side-by-side two channel tests, five channel tests, and a full spectrum scan. Detail screens provide system Tilt, Peak-to-Valley, adjacent channel comparison and V/A Ratio, while user programmable limits criteria immediately identifies any test outside of the programmed limits.

A comprehensive Sub Band option offers 5 to 50 MHz tuning and an Upstream Spectrum display to measure return TDMA cable modem or set-top signals, Ingress, Noise or CPD.

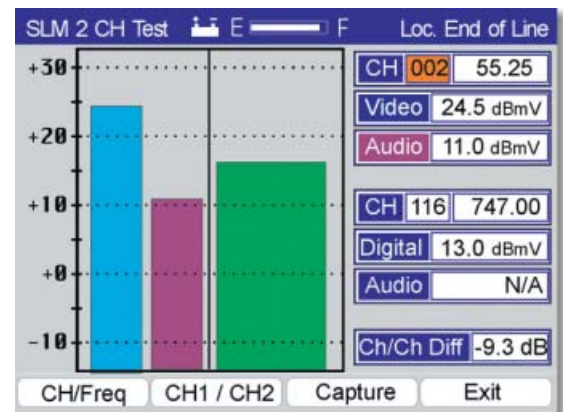
- Full Analog and Digital Signal Level Measurements
- 1 Channel, 2 Channel, 5 Channel and Full Downstream Spectrum Display
- Auto Scan with User Programmable Pass / Fail Limits
- System Tilt, Peak-to-Valley, V/A Ratio, and Adjacent Channel Measurements
- Measures upstream TDMA signals with optional Sub Band Spectral display

Analog and Digital SLM

Tune to any channel or frequency and accurately measure analog signals (peak detector) or digital levels (average power detector).

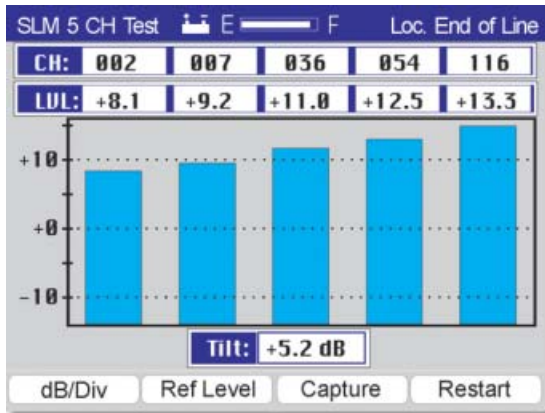


Accurately measures the level of all common modulated carriers, including NTSC standard or H-sync suppressed scrambling, QPSK, 16 QAM, 64 QAM, 256 QAM, AM, FM and CW.



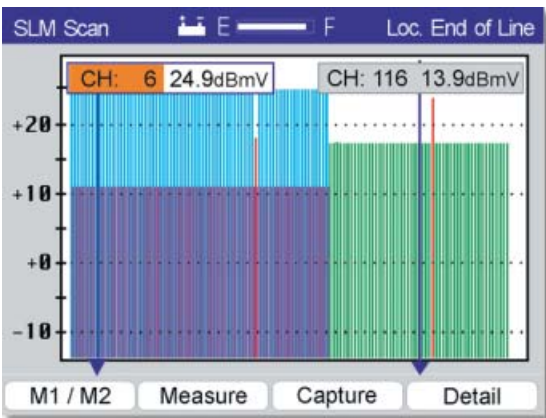
Display a single channel with adjacent video or any two channels side-by-side.

Hukk CM1000-SLM



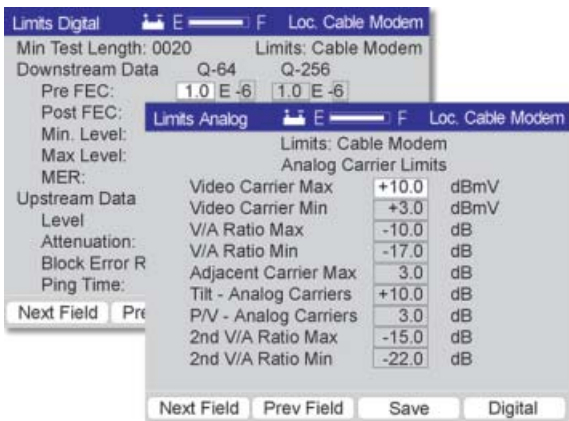
5 Channel Mode

Setup the 5 channel mode to simultaneously display any 5 carrier levels and measure Tilt for a quick rough balance or look at frequency response.



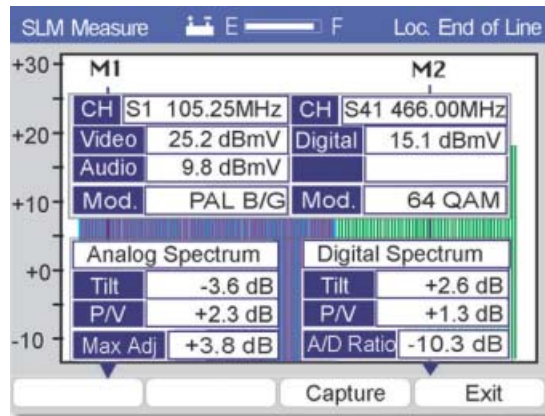
SLM Scan Mode

Automatically scan the entire downstream spectrum - analog and digital. Markers provide instant measurements. Levels outside of the user programmable limits are immediately identified in RED. Program the analog and digital Limit criteria for up to 6 different locations: Cable Modem, Ground Block, Tap, Node Headend or End of Line.



Measurement Mode

After completing a scan, the two markers may be used to select channels for detailed measurements, providing Video and Audio carrier levels or the digital level, Modulation type, Analog Tilt, Analog Peak-to-Valley, Analog Adjacent Channel ratio Digital Tilt, Digital Peak-to-Valley, and the Analog to Digital ratio.



Detail Mode

From the Scan mode the user may select a detailed numeric display of the measurement data in place of the graphic display.

Capture

Save any display, including alpha numeric Scan Detail screen. Captured displays may be recalled or downloaded to a PC with an optional software package.

SPECIFICATIONS

Compatibility:	All CM1000 base units
Display:	16 color 320 x 240 pixel
Tuning Range:	50 to 870 MHz (5 to 50 MHz optional)
Input Level:	-20 to +35 dBmV Auto Ranging
Level Resolution:	0.1 dB
RBW:	300 kHz
Level Accuracy:	±.75 dB Flatness ±.75 dB Log Linearity ±.75 dB Temp variation ±1.5 dB Overall (typical)
Memory:	Capture, Recall, and Download

ORDERING INFORMATION

CM1000-SLM	CM1000 with SLM Option
SUB-12171-001	CM1000 module with SLM Option
SUB-13406-001	Upgrade your module to SLM

Add /SUB to any model number to include the sub band option.

Note: Specifications subject to change without notice.
© Sunrise Telecom Broadband. All rights reserved. 2/02

