

SLM1000 Digital Signal Level Meter

The **SLM1000** is a compact hand-held signal level meter for measuring and analyzing QAM, 8VSB, ATSC3.0 and Analog TV signals

The SLM1000 Signal Level Meter is the ideal meter for system installers looking for a affordable multipurpose meter to test and verify any of today's TV Signals whether they be Broadcast (8VSB or ATSC3.0), Cable TV (QAM) or Analog (NTSC). With a frequency range of 45 to 1005 MHz and a Dynamic range of -25 to +40 dBmV the meter can test most signals and be used to peak antennas.

This meter comes complete with a black molded rubber case for protection and ease of handling, a Cordua Nylon carry case, the battery charger and a cigarette lighter adapter. With a 2.7 inch color LCD display it is easy to read and operate with the front panel controls and function keys. The internal Li-ion battery has about 3 hours of operation time.



FEATURERS

- Wide RF Bandwidth 45 to 1005 MHz
- Compact 7" x 3-1/8" x 1-3/8"
- 8 user editable channel plans and naming
- MER and BER measurements
- Constellation measurement
- Spectrum display
- Multi channel level display
- Signal lock indicator
- Battery Indicator
- Replaceable F connector

SLM1000 Digital Signal Level Meter

QAM-B		Analog (NTSC)	
Frequency Range	45-1000 MHz	Frequency Range	42-1005 MHz
Signal Level	-25 to 40 dBmV	Signal Level	-25 to 40 dBmV
Bandwidth	6 MHz	Bandwidth	6 MHz
BER (Bit Error Rate)	CBER (PreRSBER) 1E-7 - 1E-2 PER (Packet error Rate) 1E-6 - 1E-1	C/N	5 to 40 dB
SNR	20 to 40 dB	VAR (Video Audio Ratio)	0-100%
Symbol Rate	5.6 Msym/s	Freq OFS (Offset)	0-1,000KHz
Constellation	64 Qam and 256 QAM	STR (signal level in %)	Percent of signal level to 40 dBmV
Spectrum Inversion	Automatic	QTY (Quality Value)	Percent of CNR (40 dB = 100%)

8VSB (ATSC 1.0)		Mechanical	
Frequency Range	45-1000 MHz	Input	F Female 75 Ohm
Signal Level	-25 to 40 dBmV	Software Update	Mini USB
Bandwidth	6 MHz	Screen	2.7" Color LCD 400 x 360
BER (Bit Error Rate)	CBER (PreRSBER) 1E-7 - 1E-2 PER (Packet error Rate) 1E-6 - 1E-1	Battery	Li-Ion 1400 mAh 7.4 Volt
SNR	5-40 dB	Operation time	± 3.0 Hours when fully charged
Constellation	8 VSB	Charging Port	Mini USB 12VDC @ 1Amp
Code Rate	3-Feb	Charger	100-240VAC 50-60 Hz 12VDC 1A
		Charging time	± 3 Hours from 20%
		Operating Temperature	23° to 113° F (-5° to 45° C)
		Storage Temperature	14° to 140° F (-10° to 60° C)
		Size	7.3" x 3.3" x 1.4" (186x86x36mm)
		Weight	10.5 Oz (292 G)

ATSC3.0	
Frequency Range	45-1000 MHz
Signal Level	-25 to 40 dBmV
Bandwidth	6 MHz
BER (Bit Error Rate)	CBER (PreRSBER) 1E-7 - 1E-2 PER (Packet error Rate) 1E-9 - 1E-4
SNR	5-35 dB
Constellation	DQPSK, QPSK, 16 QAM, 64 QAM
FET	8, 16, 13K