

CLM EXTENDED SERIES

Hub-mount C-band & Ku-Band Up & Downlink Spectrum Analyzers

Digital Output over Ethernet/IP



- C-band, Ku-band; Uplink or Downlink Bands Monitored at the Antenna
- Eliminates IFL and Enables IP-based Remote Monitoring
- Compact Fully Enclosed Remote Spectrum Analyzer
- OEM Applications
- MIL-STD 810F/G Certified
- Precise And Accurate Amplitude And Frequency Response

Ultra Compact Self Contained Design

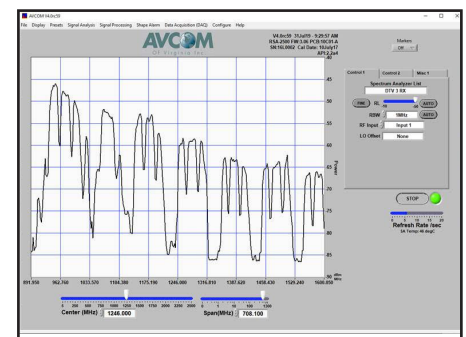
The CLM Extended Series enables the user to directly monitor C-band or Ku-band uplink signals. This full-featured spectrum analyzer provides an ethernet output to monitor signals at the M&C location. Expensive L-band IFL connections are eliminated. The spectrum analyzer provides a full spectrum signal via the free Avcom GUI interface. The interface can display up to 12 feed signals on the same screen. Full control is available and the GUI is easily integrated into most M&C software platforms.

Performance & Specifications

The CLM Extended is designed for the measurement and analysis of communications and broadcast carriers, making up-link, downlink, L-Band carriers, IF, and 10MHz reference signals easy to measure, monitor, and store. The CLM Extended provides excellent frequency and amplitude accuracy along with resolution band-width (RBW) selection from 10kHz to 1Mhz. This is required to allow viewing and monitoring of small Telemetry, Tracking, Command Systems (TT&C), data carriers found in many satellite communications markets, spread spectrum, and Wi-Fi as well.

Versatile Remote Control Software (GUI)

The CLM Extended can provide discrete remote monitoring and control from anywhere in the world. The CLM Extended is monitored and controlled using the Avcom Remote Control Software via serial port, USB, or Ethernet. The Remote Control Software has an intuitive user interface that is easy to use with no special training required. It allows remote monitoring and control from your network or over the internet. Features include screen shot capture recording, SNMP for alarm/monitoring, markers, and Automated Data Acquisition (DAQ) with tolerance comparison, and integrated email alerts to name a few. The Remote Control Software is available for Windows.



PART NUMBER	FREQUENCY RANGE Input 1	FREQUENCY RANGE Input 2
CLM-2500-CTX	5.5GHz - 6.5GHz	5MHz-2500MHz
CLM-2500-KU	13.75GHz - 14.5GHz	5MHz-2500MHz
CLM-KUTX	13.75GHz - 14.5GHz	N/A

TECHNICAL SPECIFICATIONS

SPAN WIDTH:	Up to 1300 MHz (Dependent on Center Frequency)
RESOLUTION BANDWIDTH:	10KHz, 100KHz, 300KHz, 1MHz
RF SENSITIVITY:	L: Greater than -85 dBm Typical C/KU: Greater than -65 dBm Typical
REFERENCE LEVELS:	L: Selectable -10 dBm to -50dBm in 5 dBm increments C/KU: Selectable 10 dBm to -30 dBmin 5dBm increments
SCALE:	5 dB/Div & 2 dB/Div
DYNAMIC RANGE:	50dBm GUI window
AMPLITUDE ACCURACY:	± 1 dB typical
FREQUENCY ACCURACY:	± 1KHz typical
MAX RF INPUT:	25 VDC MAX (DC Blocked), +30dBm (1W)
INPUT IMPEDANCE:	50 Ω
AMPLITUDE RANGE:	L: 0 dBm to -85 dBm C/KU: 20 dBm to -65 dBm
INPUT CONNECTOR:	L: BNC is standard. F and SMA available. C/KU: SMA is standard. N is available
OPERATING TEMPERATURE RANGE:	-20°C to +60°C
SIZE:	9" W x 14.5" L x 2" H (22.86 x 36.83 x 5.08cm)
WEIGHT:	2.8lbs (1.3kg)
POWER REQUIREMENTS:	+15 to 24 VDC/9W

Specifications subject to change. ©2019 Avcom of Virginia, Inc. Rev 2 v073019

Accessories include universal AC adaptor (100 to 240Vac), AC cord, and software.