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7729 Pocoshock Way N Chesterfield, VA 23235 804-794-2500

CLM-2290A2S

Compact L-Band Dual Input Spectrum Analyzer

- Software-Defined-Radio
- Compact, Rugged Design
- Monitoring & Control (M&C) via Ethernet
- Integrates with Avcom's EVO-GUI or Comprehensive API
- Extended Temperature Range
- Low SWaP (Size, Weight, and Power)

The CLM-2290A2S spectrum analyzer is based on Avcom's software-defined-radio technology platform designed to exceed today's performance challenges. The analyzer is intended for compact remote applications required to operate under challenging conditions.

Avcom's newest analyzer technology provides excellent performance by employing high-performance DSP, and FPGAs. Integrators can now embed a full-function spectrum analyzer in a very small volume into systems operating in austere and rugged environments.

Communication with the module is achieved via ethernet and Avcom's Graphical User Interface, the EVO GUI software. It provides a feature-rich set of functions to control, monitor & alarm, while recording and datalogging. The system can also be accessed via a POSIX-Compliant API, available from Avcom.

Versatile Remote-Control Software

2290425

The CLM-2290A2S can provide discrete remote monitoring and control from anywhere in the world. The CLM-2290A2S is monitored and controlled using the Avcom Remote Control Software EVO-GUI via USB, or Ethernet. The EVOGUI has an intuitive user interface that is easy to use with no special training required. Up to sixteen windows can be displayed at one time. The Avcom GUI will run on the WINDOWS OS. The GUI is preconfigured for actual remote analyzers we keep online so that you can try the software before purchasing.

"Following the Signal", and listening to our customers, this series is perfectly suited to provide functionality in earth stations, teleports, and RF signal monitoring environments. The CLM Series of analyzers is an excellent addition to the Avcom family of products for demanding applications which require the extended performance characteristics, while still providing a low cost-of-ownership and a highly cost- effective and reliable product.



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CLM-2290A2S - TECHNICAL SPECIFICATIONS DATA

PARAMETER

FREQUENCY RANGE SPAN WIDTH **RESOLUTION BANDWIDTH REFERENCE LEVELS** SPURIOUS FREE DYNAMIC RANGE AMPLITUDE ACCURACY SCALE PER DIVISION **USABLE INPUT RANGE** FREQUENCY ACCURACY MAXIMUM RF INPUT INPUT IMPEDANCE **RF INPUT CONNECTOR** INTERFACE CONNECTORS POWER SUPPLY REQUIREMENT PHYSICAL DIMENSIONS (BOARD; ENCLOSED) HUMIDITY TEMPERATURE RANGES; OPERATING/STORAGE **OPERATING ALTITUDE RANGE** WEIGHT

OPTION AVAILABLE

OPTION	Description	CODE
Input Connector Type	BNC	В
	F	F
	SMA	S

900 - 2200 MHz 1200 MHz 1kHz, 3kHz, 10kHz, 100kHz, 300kHz, 1MHz Selectable: -10dBm to -40dBm 50dB ±1dB typical 10dB/div -100dBm to -10dBm ±1kHz typical 25VDC Max (DC blocked); -10dBm 50Ω 2 X SMA Ethernet: 6-pin Molex. USB. Power: 2-pin Molex 15-24 VDC; < 3W 1.75" H x 5.6" W x 8.3" L" 0 to 95%, non-condensing -40 to +70 °C / -40 to +85 °C 40,000 ft; 12,000m 2lbs.

PERFORMANCE



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CLM-2290A2S - Technical Specification Continued PHYSICAL DIMENSIONS, CONNECTOR DESIGNATIONS AND USER DATA



External AC/DC power supply included. 108-240VAC to 15VDC Type 1 IEC.

https://www.avcomofva.com/evo-gui-software/



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