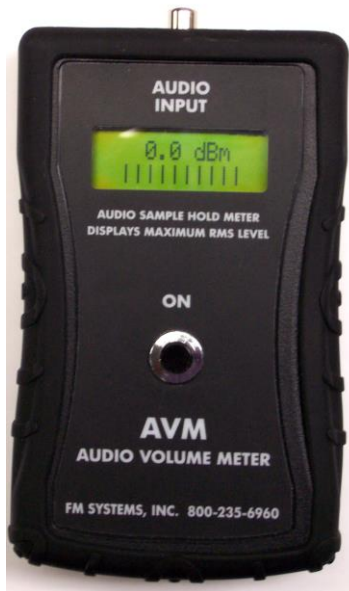


AVM

AUDIO VOLUME METER



ADVANCED TRUE RMS POWER STORAGE METER

The new AVM digital Audio Volume Meter is a low-cost pocket size True-RMS program audio volume meter with a 600 Ohm audio input that is calibrated in dBm for balanced or unbalanced audio measurement. The measurement range is +20 to -60dBm in 0.1dB increments. The AVM is a storage meter that stores and displays the highest RMS level received during the test interval so live program audio can be measured just as easily as test tones. It also simultaneously displays the instantaneous RMS level on a bar graph for audio status monitoring.

The input uses an RCA (female) connector as a balanced input with complete ground isolation to prevent 60Hz ground loop interference. A variety of readily available RCA adapters can be used with this meter to connect to your audio system. Both stereo and mono audio signals can be measured for audio loudness and level. You can check for consistent volume levels from one channel to the next or from one program to the next. This meter can be used to perform a quick spot check to find hot levels in your system and help you comply with the CALM ACT. Use it to periodically survey your system for high or low audio levels to prevent complaints about loud or un-even audio programming. You can use this meter to quickly locate and verify any objectionable signals levels and bring them into compliance.

This meter is hand-held, and battery operated for maximum portability and versatility. To take a measurement just push and hold the button on the front of the meter and the measurement begins. The meter will store the maximum volume level in dBm during the button push. When you release the button, the meter turns off to conserve the battery.

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The comfort grip hand-held case is made of flame retardant ABS plastic with a flame rating of 94-5VA. A battery compartment door allows easy access to the 9-Volt battery that powers the device. The meter comes with an impact resistant rubber boot to protect it during daily use. This meter uses a battery check system to constantly monitor the battery condition and the display lets you know when it is time to change the battery.

APPLICATIONS

Cable TV technicians can check their audio levels on each channel by connecting this meter to the audio output of the Set-Top Converter or monitor TV and tuning from one channel to the next making a measurement and recording the level of each channel. Then they can adjust the levels that are non-compliant, so your customer service representatives get fewer calls about audio levels. This will promote customer satisfaction and improve your service.

Broadcast TV Stations can check each of their audio level outputs from every source to verify that they are all synchronized at the same level and within compliance specifications. Then if an audio level problem is suspected, a fast check can be made to isolate the source of the level variation and solve the problem.

Audio Engineers can check recordings and the output of their sound equipment to verify correct levels on audio recordings, commercials, and program to program level compliance. You can use this meter to verify that all your recordings will be on the mark and well within the Calm Act compliance levels.

Sound Reinforcement technicians can use this meter as a quick and accurate way to setup intercom and Public Address systems for consistent audio volume level. This way all the intercom stations will have the same perceived volume level.

CHARACTERISTIC

SPECIFICATION

Impedance	600 Ohms balanced or unbalanced
Calibration	dBm (600 Ohms)
Measurement	True RMS
Measurement Process	Store & Hold Maximum RMS Level
Range	+20dBm to -60dBm
Full Range Accuracy	+/- 0.2 dB
Display Accuracy	+/- 0.1 dB
Bar Graph Display	Displays the Instantaneous RMS Level
Frequency Response	20Hz to 25KHz
Measurement Period	Duration of Button Push
Meter	LCD 2 Line (Alpha-Numeric & Bar Graph)
Power	9 Volt Battery