

The CHECK MATE series SPL (Sound Pressure Level) meters, first introduced in early 2003, allow musicians, sound contractors, and others to measure SPL in decibels (dB). A decibel is defined as the unit for measuring relative loudness of a sound. We have expanded our line from one CHECK MATE SPL Meter to four products in the category. We have sold thousands of units to working musicians, DJs, police departments, sound contractors, racetracks, etc...

The response on the CHECK MATE series has been phenomenal. CHECK MATES are easy to use and very affordable.

CM-130

FEATURES

- Mini Size
- Low Cost High Performance
- MAX Function
- Level Range Display
- Resolution 0.5 dB



CM-130 SPECIFICATIONS

- Microphone: 1/2" Electret condenser microphone
- Accuracy: ± 2 dB (under reference conditions 94dB @1KHz)
- Level Range: **1** = 40 ~ 70 dB, **2** = 60 ~ 90 dB, **3** = 80 ~ 110 dB, **4** = 100 ~ 130 dB.
- Frequency Weighting: A, C
- Time Weighting: Fast, Slow
- Dynamic Range: 30 dB
- Frequency Range: 125Hz to 8KHz
- Battery Life: 9V Battery 110 hours (included)
- Dimension: 9.1" x 2.1" x 1.3" (232mm x 54mm x 34mm)
- Weight: Approx. 0.37lbs. (170g) (including battery)

CM-140

FEATURES

- Mini Size
- Low Cost High Performance
- MAX/MIN Function
- Level Range Display
- AC Signal Output
- Resolution 0.1 dB
- IEC 651 Type II, ANSI S1.4 Type II



CM-130/CM-140 Included Accessories:

- Operation Manual
- 9V Battery
- Windscreen

CM-140 SPECIFICATIONS

- Microphone: 1/2" Electret condenser microphone
- Accuracy: ± 1.5 dB (ref 94dB @1KHz)
- Level Range: **Lo** = 32 ~ 80 dB, **Med** = 50 ~ 100 dB, **Hi** = 80 ~ 130 dB
- Frequency Weighting: A, C
- Time Weighting: Fast, Slow
- Auxiliary Outputs: AC Signal Output
- Dynamic Range: 50 dB
- Frequency Range: 31.5Hz to 8KHz
- Battery Life: 9V Battery 70 hours (included)
- Dimension: 9.1" x 2.1" x 1.3" (232mm x 54mm x 34mm)
- Weight: Approx. 0.54lbs. (200g)

CHECK MATE applications:

Amusement Parks
Bands
Car Audio

Churches
City Planners
Club Owners

Contractors
DJ's (Disc Jockey)
Engineers
Home Audio

KJ's (Karaoke Jockey)
Law Enforcement
Manufacturing
Office

Schools
Sound Engineers
Technician
Theater

CM-150



CM-150 & 160 FEATURES

- Back light
- RS-232 Interface
- Graph Indication
- MAX/MIN Function
- Auto Ranging (30 ~ 130dB)
- Level Range Display
- AC/DC Signal Output
- Resolution 0.1 dB
- Auto Power Off
- IEC 651 Type II, ANSI S1.4 Type II

CM-150/CM-160

Included Accessories:

- Carrying Case
- Calibration Screwdriver
- Operation Manual
- 9V Battery
- Windscreen
- Software and USB cable (CM-160 ONLY)

CM-150 & CM-160

Tripod Mountable

TRIPOD
(CM-BS-6)



CM-150/CM-160 SPECIFICATIONS

- Microphone: 1/2" Electret condenser microphone
- Accuracy: ± 1.5 dB (under reference conditions 94dB @1KHz)
- Level Range: **Lo** = 30 ~ 80 dB, **Med** = 50 ~ 100 dB, **Hi** = 80 ~ 130 dB, **Auto** = 30 ~ 130 dB
- Frequency Weighting: A, C
- Time Weighting: Fast (125ms), Slow (1 sec.)
- Dynamic Range: 50 dB
- Frequency Range: 31.5Hz to 8KHz
- Alarm Function: Over, Under
- Battery Life: 9V Battery 50 hours (included)
- Dimension: 10.8" x 2.5" x 1.2" (275mm x 64mm x 30mm)
- Weight: Approx. 0.764lbs. (285g) (including battery)

CM-160

CM-160 SPECIFIC FEATURES

- Internal Memory Storage
- USB Cable w/ Software
- Time Display



CHECKMATE CM-160

The CM-160 is the latest in the line of Galaxy Audio SPL Meters. The CM-160 is similar to our model CM-150, except that it has an internal hard drive, which records the SPL and allows it to be transferred to a computer at a later time. The CM-160 comes complete with a carry case, windscreen, USB cable, and software for computer.

Additional accessories for the CM-150:

CHECK MATE[®] **CARRYING HOLSTER CMH** For CM-130 and CM-140

Holds either the CHECK MATE CM-130 or CM-140. Nylon belt loop for convenient hip holster access. Velcro[®] locking cover to secure SPL Meter safely in holster.



Does not accommodate CM-150 or CM-160

Optional accessories for the CM-150 & CM-160

CM-SE322 COMBO

Computer linking software and USB cable. Software contains a graphical interface which allows monitoring of current SPL readings plus logging of SPL events over a period of time. User has the option to change parameters from his/her computer.



CM-USB

USB cable.



CM-BS-6 TRIPOD

Standard tripod connector with single lock pan head. The tripod extends to 5 height positions from 11" to 3' 8". Tripod carrying case included.



CHECK MATE CALIBRATOR **SPL METER CALIBRATOR**

CM-C200

SPECIFICATIONS

- Output Sound - Pressure Levels : 114dB and 94dB re 20 uPa under reference conditions.
- Output Frequency : 1000Hz \pm 4%
- Total Harmonic Distortion: < 3%
- Accuracy of Sound-Pressure Level: Under stated reference environment conditions \pm 0.5dB
- Power: One 9V battery 006P or IEC 6F22 or NEDA 1604
- Dimensions: (L) 4.62" (117.36mm) x (W) 2.47" (62.75mm) x (H) 1.72" (43.73mm)
- Weight : Approx. .41lbs (186.4g) (include battery)
- Accessories : Instruction manual, carrying case, 9V battery, 1/2" microphone adapter.



Ensures accurate readings

FEATURES

- Conforms to IEC 60942 2003 Class 2 and ANSI S1.40-1984
- Calibration levels of 94dB and 114dB at 1kHz
- Fits 1" and 1/2" diameter microphones
- Weight: approx .41lbs (186.4g) (including battery)
- Accurate and simple to use



Over time, all SPL meters lose their calibration. The CM-C200 is an SPL meter calibrator. The CM-C200 meets IEC 60942 2003 Class 2 and ANSI S1.40-1984 standards. The CM-C500 can calibrate 1" and 1/2" microphone capsules at 94dB and 114dB.

The calibrator is designed to calibrate SPL Meters with a microphone diameter of 1/2" and 1". The CM-C200 will work with any of the CheckMate SPL Meters and many other brands. The CM-C200 has a test tone at 1kHz at both 94dB and 114dB. The CM-C200 includes a protective carry case, battery, and manual.

*Specifications subject to change without notice.

AUDIO SOLUTIONS

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