



## CM-130

### FEATURES

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

- Accessories: Operation Manual
- 9V Battery
- Windscreen

### 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)
- Operation Temp.: 0°C~ 40°C (32 to 104°F)
- Storage Temp.: -10°C~ 60°C(14 to 140°F)
- Dimension: 9.1" x2.1" x1.3" (232mmx54mmx34mm)
- 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 Typell

- Accessories: Operation Manual
- 9V Battery
- Windscreen

### SPECIFICATIONS\*

- Microphone: Electret condenser microphone
- Accuracy: ±1.5 dB ( ref 94dB @1KHz )
- Level Range: Lo = 35 ~ 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)
- Operation Temp.: 0°C~ 40°C(<80% R.H.)
- Storage Temp.: -10°C~ 60°C( <70% R.H.)
- Dimension: 9.1" x2.1" x1.3" ( 232mmx54mmx34mm )
- Weight: Approx. 0.54lbs. (200g)



## CM-150

### 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 Typell

- Accessories: Carrying Case
- Calibration Screwdriver
- Operation Manual
- 9V Battery
- Windscreen
- 3.5 Φ plug

### 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
- Digital LCD Display: 4 Digits, Resolution: 0.1dB, Display Update: 0.5 sec.
- Analog Display: 50 segment bar graph, Resolution: 1dB, Display update: 50mS
- Alarm Function: Over, Under
- AC Output: 1 Vrms at FS (full scale), Output Impedance: Approx 100 Ω, FS: means the upper limit of each level range.
- DC Output: 10mV/dB, Output impedance approx 1K
- AC Adaptor: Voltage 9 VDC (8-15VDC Max)
- Battery Life: 9V Battery 50 hours (included)
- Operation Temp.: 0°C~ 40°C (32 to 104°F)
- Storage Temp.: -10°C~ 60°C(14 to 140°F)
- Dimension: 10.8" x2.5" x1.2" ( 275mmx64mmx30mm )
- Weight: Approx. 0.764lbs. (285g)(including battery)

\*Specifications subject to change without notice.

# Additional accessories for the CM-150:



**CM-150**

## CM-SE321 COMBO

Computer linking software and RS-232 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.



Mini CD

## CM-RS232

RS-232 cable.



## CM-BS-6

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-C500



## Facilitates accurate readings

### FEATURES

- Conforms to ANSI S1.40-1984 and IEC942 1988 Class 2.
- Weight : approx. 200g (include battery)
- Operating Temperature & Humidity: 0 ~ 40°C (32 to 104°F), 10~90%RH
- Calibration levels of 94dB and 114dB.
- Fits 1", 1/2" and 1/4" diameter microphone.

### SPECIFICATIONS

- Output Sound - Pressure Levels: 114dB and 94dB re 20 uPa under reference conditions
- Output Frequency: 1000Hz ±4%
- Reference Conditions: TEMPERATURE : 20°C (68°F) RELATIVE HUMIDITY: 65% ATMOSPHERIC PRESSURE: 1013hpa
- Temperature Coefficient: ±0.015dB/°C
- Total Harmonic Distortion: < 3%
- Accuracy of Sound-Pressure Level: Under stated reference environment conditions ±0.5dB
- Power: One 9V battery
- Battery Life: Approx. 100 hours. (Alkaline Battery)
- Battery Test: Internal circuitry checks condition of battery continuously. Calibrator will not operate at all if battery voltage falls below acceptable range
- Dimensions: 103(L) x 63(W) x 54(H)mm
- Weight: Approx. 200g (includes battery)
- Operating Temperature & Humidity: 0 ~ 40°C (32 to 104°F), 10~90%RH
- Storage Temperature & Humidity: -10 ~ 60°C (14 to 140°F), 10~70%RH
- Accessories : Instruction manual, carrying case, 9V battery, 1/2" and 1/4" microphone adapter.

### CHECK MATE SPL METER Applications:

Amusement Parks	KJ's (Karaoke Jockey)
Bands	Law Enforcement
Car Audio	Manufacturing
City Planners	Office
Club Owners	Schools
Contractors	Sound Engineers
DJ's (Disc Jockey)	Technician
Engineers	Theater
Home Audio	