

## Type-2 Wide-Range Sound Level Meters

### Don't be out of compliance

- Real-time octave or 1/3 octave band analysis in 11 (or 33) simultaneous bands
- Models with software allow you to further analyze data and easily generate reports

**CEL-620 Models** feature unique DSP technology allowing the simultaneous capture of sound parameters with A, C, and Z frequency weightings and slow, fast, and impulse time responses over a full 120 dB dynamic range. All noise parameters are measured and stored—such as current sound level, maximum, minimum, time average, peak, and TWA (with optional threshold). Context-sensitive menus provide simple navigation, set up, and use. The USB interface allows measurement data to be easily transferred.



**CEL-630 Models** offer the same features as the CEL-620 series plus extensive data logging time history recording that is particularly useful for environmental noise recording at regular intervals. Regular samples can be saved, in addition to overall values, for the whole of a run. Use the timer function to control the start and end of a run for automatic recording and the event-based threshold noise level to trigger recordings above a significant level. Meters produce statistical percentile levels providing a complete description of local noise environments.

**What's included:** acoustic calibrator, wrist strap, windscreen, USB cable, carrying case, and three AA batteries.

#### Specifications

<b>Range:</b> 20 to 140 dB	<b>Functions:</b> Lp, Lmx, Lmn, Leq, Ldod, Lavg, Lpk, LAE
<b>Resolution:</b> 0.1 dB	<b>Output:</b> USB
<b>Accuracy:</b> ±1.5 dB	<b>Power:</b> three AA batteries or external 12 VDC or 5 VDC via USB
<b>Weighting:</b> A, C, and Z, simultaneously	



Description	Type	Catalog number	Price
<b>CEL-620 Models</b>			
Sound meter kit	2	<a href="#">GY-50536-10</a>	
Sound meter kit with Insight software		<a href="#">GY-50536-11</a>	
Octave band sound meter kit		<a href="#">GY-50536-12</a>	
Octave band sound meter kit with Insight software	2	<a href="#">GY-50536-13</a>	
Third octave sound meter kit		<a href="#">GY-50536-14</a>	
Third octave sound meter kit with Insight software		<a href="#">GY-50536-15</a>	
<b>CEL-630 Models</b>			
Sound meter kit	2	<a href="#">GY-50536-22</a>	
Sound meter kit with Insight software		<a href="#">GY-50536-23</a>	
Octave band sound meter kit		<a href="#">GY-50536-24</a>	
Octave band sound meter kit with Insight software	2	<a href="#">GY-50536-25</a>	
Third octave sound meter kit		<a href="#">GY-50536-26</a>	
Third octave sound meter kit with Insight software		<a href="#">GY-50536-27</a>	

#### Accessories

- [GY-09376-01](#) Replacement batteries, AA. Pack of 4
- [GY-17101-53](#) NIST-traceable calibration with data

## Digi-Sense™ Precalibrated Data Logging Sound Level Meter

### Know your noise level & stay in compliance

**NEW**

- Reliable measurements, guaranteed! Precalibrated to NIST-traceable standards
- Four user-selectable ranges from 30 to 130 dB provide additional flexibility
- Programmable sample rates for a wide range of applications
- Expanded memory up to 32,700 readings
- Included data logging software with graphical display for quick and easy analysis
- Tripod mountable—ideal for field use



Get precision sound decibel measurements for product noise certification and reduction applications. The meter conforms to IEC61672-1 Class 2 standards, ideal for OSHA and IEC surveys. Unit features A and C weighting capabilities for measuring noise levels from industrial machinery or equipment to residential/commercial environments ensuring noise level standards and compliance. Use the included software to view data in graphical format as well as record and download data via USB to your PC for further analysis.

Additional features include Max/Min and Hold functions, over- and under-range indication, fast/slow response, analog AD/DC outputs, and USB connectivity. Automatic power-off conserves battery life. Plus the NIST-traceable precalibration means you get reliable measurements right out of the box, saving you time and money!

**Conformance:** ANSI and IEC61672-1 Class 2

**What's included:** windscreen, 3.5-mm earphone plug, screwdriver, software, USB cable, three AAA batteries, and NIST-traceable calibration report with data supplied by InnoCal.



Description	Precalibrated data logging sound level meter
<b>Catalog number</b>	<a href="#">GY-20250-29</a>
Type	2
Range	Low: 30 to 80 dB Medium: 50 to 100 dB High: 80 to 130 dB Automatic: 30 to 130 dB
Resolution	0.1 dB
Accuracy	±1.4 dB
Weighting	A and C
Response time	Fast and slow
Functions	Max/Min, hold, data logging, auto power off
Outputs	Analog AD/DC, USB
Data logging	32,700 readings
Display	4-digit backlight LCD with analog bar graph
Dimensions (L x W x H)	9 1/4" x 2 1/2" x 1" (23.5 x 6.1 x 2.7 cm)
Power	Three AAA batteries
Price	

[GY-20250-38](#) Optional tripod

[GY-09376-00](#) Replacement batteries, AAA. Pack of 12

## Sound Meters

### Digital Sound Level Meter

#### Easy-to-read digital display with user-friendly analog bar graph

- Measure sound decibel levels for a variety of workplace situations
- Meter features a 40 to 130 dB adjustable measuring range with selectable A/C weighting and fast/slow response
- Be accurate with a 0.1 dB resolution plus analog bar graph for easy readability
- MAX Hold stores loudest dB level reached

**What's included:** microphone windscreen, and four AAA batteries.

#### Specifications

**Range:** 40 to 130 dB  
**Resolution:** 0.1 dB  
**Accuracy:**  $\pm 2$  dB  
**Weighting:** A and C  
**Functions:** MAX hold, fast/slow response, auto off  
**Output:** analog AC



Description	Type	Catalog number	Price
Digital sound level meter	1	<a href="#">GY-40425-32</a>	

[GY-01618-51](#) Benchtop tripod, 6½" H

[GY-09376-00](#) Replacement batteries, AAA. Pack of 12

[GY-17101-55](#) NIST-traceable calibration with data

### Data Logging Sound Level Meter

#### Data log accurately

- Get three range measurement capabilities with data logging function of up to 20,000 records
- Capture up to 10 readings/sec when connected to a PC
- Record readings with real-time/date stamps

Features include min/max and data hold functions, auto power off with disable capability, a heavy-duty rugged double-molded housing, and easy-to-use software.

**Compliance:** ANSI S1.4-1983 Type 2, IEC 651 Type 2

**What's included:** Windows®-compatible software with USB cable, wind cover, tripod, hard carrying case, AC adapter, and one 9 V battery.



#### Specifications

**Range:** 30 to 130 dB  
**Resolution:** 0.1 dB  
**Accuracy:**  $\pm 1.4$  dB  
**Weighting:** A and C  
**Functions:** real-time/date stamp, min/max and data hold, auto power off, data logging

Description	Type	Catalog number	Price
Data logging digital sound level meter	2	<a href="#">GY-50510-75</a>	

### Type-2 Digital Sound Level Meter

#### Get high accuracy while selecting ranges

- Use for product noise certification, reduction applications, and more
- Includes high and low measuring range capability, data and max hold functions, and a large LCD backlit display
- Compact design is perfect for out in the field, in the lab, or on the plant floor

**Compliance:** ANSI S1.4-1983 Type 2, IEC 651 Type 2

**What's included:** microphone windscreen, and one 9 V battery.



#### Specifications

**Ranges:**  
 Low: 35 to 100 dB  
 High: 65 to 130 dB  
**Resolution:** 0.1 dB  
**Accuracy:**  $\pm 1.5$  dB  
**Weighting:** A and C  
**Functions:** high/low range, data and max hold functions

Description	Type	Catalog number	Price
Digital sound level meter	2	<a href="#">GY-50509-82</a>	

### Data Logging Sound Level Meter

#### Store and transfer data easier

- Store up to 99 readings manually and 20 M of readings on the included 2G SD card for easy transfer to a PC
- Records readings with real date and time stamp
- Built-in PC interface with AC analog output capability for connection to an analyzer or recorder

Additional features include min/max and data hold, auto/manual ranging, user programmable sample rates, and auto power off.

**Compliance:** ANSI and IEC 61672-1 Type 2 standards

**What's included:** six AA batteries, SD Card, wind screen, and hard carrying case.



#### Specifications

**Range:** 30 to 130 dB (3 ranges)  
**Resolution:** 0.1 dB  
**Accuracy:**  $\pm 1.4$  dB  
**Weighting:** A and C  
**Functions:** min/max, data hold, data logging, auto power off  
**Output:** analog AC

Description	Type	Catalog number	Price
Data logging digital sound level meter	2	<a href="#">GY-50536-34</a>	

[GY-09376-01](#) Replacement batteries, AA. Pack of 4

[GY-17101-53](#) NIST-traceable calibration with data

## Sound Meter with RS-232

### Measure machine noise accurately

- Background noise absorber filters ambient sounds out
- Choose from six sound level ranges
- RS-232 interface for capturing data directly on your PC (order software separately below)
- Backlit display allows easy readability even in low-light conditions

**Compliance:** ANSI S1.4-1983 Type 2, IEC 651 Type 2

**What's included:** microphone windscreen, carrying case, and one 9 V battery.



#### Specifications

**Range:** 30 to 130 dB (six 50 dB ranges)  
**Resolution:** 0.1 dB  
**Accuracy:** ±1.5 dB  
**Weighting:** A and C  
**Sampling rate:** 160 ms (LCD); 40 ms (bar graph)  
**Functions:** background noise absorber mode, min, max, hold, dose, fast/slow response  
**Output:** RS-232 and analog (AC: 0.707 Vrms; DC: 10 mV/dB)



Type	NIST-traceable calibration report supplied by the manufacturer	Catalog number	Price
2	No	<a href="#">GY-40425-00</a>	
	Yes	<a href="#">GY-40425-10</a>	

[GY-40425-50](#) Software for computers running Windows® 3.0 or later; includes RS-232 cable

[GY-01618-60](#) Acoustical calibrator, dual 94/114 dB

[GY-01618-51](#) Benchtop tripod, 3½"H

[GY-40425-77](#) AC adapter, 117 VAC

[GY-09376-04](#) Replacement batteries, 9 V. Pack of 4

## USB Sound Level Data Logger

### Meet ANSI and IEC 61672 Class 2 Standards



- Data logging capability up to 129,920 records
- Selectable data sampling rate
- Records readings with real-time clock
- Two start methods: programmed from PC, or manual
- ½" electret microphone

**What's included:** Tripod, windscreen, Windows®-compatible software, USB cover, and 3.6 V lithium battery.



#### Specifications

**Range:** 30 to 130 dB  
**Frequency range:** 31.5 to 8 kHz  
**Accuracy:** ±1.4 dB  
**Weighting:** A and C  
**Response time:** Fast (125 ms); slow (1 s)  
**Data logging:** 129,920 points  
**Power:** One 3.6 V battery

Description	Catalog number	Price
USB Sound Level Data Logger	<a href="#">GY-50536-02</a>	

[GY-17101-53](#) NIST-traceable calibration with data

## Sound Level Alert with Alarm

### Know your compliance level immediately

- Bright LEDs
- Wall, desk, or tripod mountable
- Ideal for industrial, hospital, auditoriums, labs, and more

**What's included:** microphone wind cover and 110 VAC adapter.



#### Specifications

**Range:** 30 to 80 dB, 60 to 110 dB, and 80 to 130 dB  
**Resolution:** 0.1 dB  
**Accuracy:** ±2 dB  
**Weighting:** A and C

**Functions:** alarm indication, high/low setting, min/max, fast/slow response, clock, start/stop times  
**Power:** AC/DC adapter for full functions; eight AA batteries for monitoring function only without LED alert

Description	Type	Catalog number	Price
Sound level alert	2	<a href="#">GY-50509-89</a>	

## Type 2 Sound Meter with Calibration Check

### Get high accuracy while selecting ranges

- Provides 1.5 dB accuracy
- Meets ANSI and IEC 651 Type 2 standards
- High and Low measuring ranges
- Max Hold with reset button
- Built-in calibration check (94 dB)
- Analog AC/DC outputs for connection to an analyzer or recorder
- Tripod mount ideal for field use

**What's included:** Microphone windscreen, carrying case, and 9 V battery.



#### Specifications

**Range:** Low: 35 to 100 dB  
High: 65 to 130 dB  
**Resolution:** 0.1 dB  
**Accuracy:** ±1.5 dB (Type 2)

**Weighting (A&C):** Yes  
**Response time (fast/slow):** Yes  
**Analog output:** AC/DC  
**Power:** One 9 V battery

Description	Catalog number	Price
Type 2 Sound Meter with Calibration Check	<a href="#">GY-01617-00</a>	

#### Accessories

[GY-50509-86](#) Sound level calibrator, 94 dB

[GY-01618-60](#) Sound level calibrator, 94 dB/114 dB

[GY-90415-32](#) Tripod

[GY-09376-04](#) Replacement batteries, 9 V. Pack of 4

[GY-17101-53](#) NIST-traceable calibration with data

## Digital Sound Level Meters

### Measure precisely without breaking your budget

- Simple two-button operation
- Current, highest, and average noise level shown in display
- Time history trend graphically displayed
- USB output port for simple data logging with PC or download of stored data
- Auto calibration at selected decibel level
- ¼" threaded socket for tripod mounting applications

**Model 50537-01** offers simple data logging of noise level readings for download to a computer. **Model 50537-02** adds the time-averaging functions for Leq and Lavg for OSHA measurements. **Model 50537-03** features enhanced averaging version with data logging memory.

**What's included:** acoustic calibrator, foam windscreen, carrying case, three AA batteries, and calibration document supplied by the manufacturer.



#### Specifications

**Range:** 30 to 130 dB low: 30 to 100 dB;  
high: 60 to 130 dB

**Resolution:** 0.1 (numeric); 1 (graphical)

**Accuracy:** ±1.5 dB

**Noise floor (A weighted dB):** <33

**Dynamic span on single range:** 70 dB

**Frequency weightings:** A and C

**Time weightings:** Slow, fast, and impulse

**Display update rate:** 0.5 seconds

Description	Catalog number	Price
Digital Type 2 sound level meter kit	<a href="#">GY-50537-00</a>	
Digital data logging Type 2 sound level meter kit	<a href="#">GY-50537-01</a>	
Digital integrating Type 2 sound level meter kit	<a href="#">GY-50537-02</a>	
Digital data logging, integrating Type 2 sound level meter kit	<a href="#">GY-50537-03</a>	

#### Accessories

[GY-50537-04](#) Software for sound level meters

[GY-50537-05](#) USB cable, type A, 6 feet

[GY-09376-01](#) Replacement batteries, AA. Pack of 4

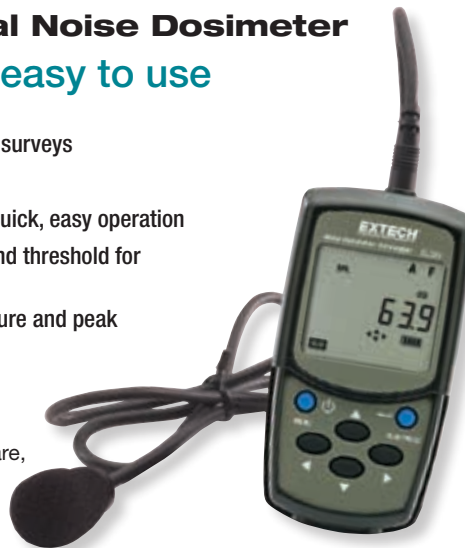
[GY-17101-53](#) NIST-traceable recalibration with data

## Data Logging Personal Noise Dosimeter

### Low cost, lightweight, easy to use

- Perform OSHA and IEC noise accumulation surveys
- Meets ANSI and IEC Type 2 standards
- One user-defined measurement setup for quick, easy operation
- Adjustable criterion level, exchange rate, and threshold for additional flexibility
- Measures frequency weighted noise exposure and peak sound level simultaneously
- Data logs up to 12,000 readings

**What's included:** Belt clip, clip-on ½"-dia microphone with 2.6 ft (0.8 m) cable, software, USB cable, mini screwdriver, carrying case, and three AAA batteries.



#### Specifications

##### Ranges:

60 to 130 dB / 70 to 140 dB (A/C weighting);  
60 to 130 dB / 93 to 133 dB (C or Z (Linear) Peak);  
70 to 140 dB / 103 to 143 dB (C or Z (Linear) Peak)

**Resolution:** 0.1 dB

**Accuracy:** ±1.5 dB

**Criterion level:** 80, 84, 85, or 90 dB

**Exchange rate:** 3, 4, 5 or 6 dB

**Threshold level:** 70 to 90 (1 db steps)

**Response rate:** Fast / slow

**Output:** USB

Description	Power	Catalog number	Price
Data logging personal noise dosimeter	Three AAA batteries	<a href="#">GY-50536-09</a>	

[GY-01618-60](#) Sound level calibrator, 94/114 dB

[GY-17101-57](#) NIST-traceable calibration with data

## Acoustic Calibrator

### Calibrate any digital sound meter with a 1" or ½" microphone

- Built-in battery check
- Portable for field use

This 2 pt. acoustical calibrator conforms to ANSI S1.4-1984 and IEC942 1988 Class 2 standards for acoustical calibrators. Simply place the calibrator on to the digital sound meter's microphone, turn on the calibrator, and adjust the meter's reading to either 94 or 114 dB. Operates at a frequency of 1 Hz ±4% and with an accuracy of 0.5 dB.



Description	Cat. no.	Price
2 pt. acoustical calibrator	<a href="#">GY-01618-55</a>	

[GY-09376-04](#) Replacement batteries, 9 V. Pack of 4

[GY-17101-53](#) NIST-traceable calibration with data