

# Wide-Range Sound Level Meters

## Monitor workplace or community noise, ensuring compliance

**CEL-620 Models** are designed to help you interpret changing noise climates and measure them correctly. Unique DSP technology allows the simultaneous capture of sound parameters with A, C, and Z frequency weightings and slow, fast, and impulse over 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). Menu-driven interface makes these meters easy to set up and use. USB interface lets measurement data be quickly transferred to spreadsheets and other office documents.

**CEL-630 Models** offer the same features as the CEL-620 series and provide additional 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 for environmental noise measurements for day/night levels, providing a complete description of local noise environments.



50546-10

- Available in both ANSI Type 2 and Type 1 accuracy
- Full-color graphic display provides maximum clarity
- Context-sensitive menus for simple navigation with minimal key strokes
- Automatic calibration with minimal operator intervention
- Real-time octave or 1/3 octave band analysis in 11 (or 33) simultaneous bands
- Models with Casella Insight software allow you to further analyze data and easily generate reports
- Use CEL-630 models for transportation noise source analysis and long-term aircraft or rail noise investigations

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

Catalog No.	Model No.	Description
<b>CEL-620 Models</b>		
TS-50546-10	CEL-620.A2/K1	Type 2 sound meter kit
TS-50546-11	CEL-620.A2/K2	Type 2 sound meter kit with Insight software
TS-50546-12	CEL-620.B2/K1	Type 2 octave band sound meter kit
TS-50546-13	CEL-620.B2/K2	Type 2 octave band sound meter kit with Insight software
TS-50546-14	CEL-620.C2/K1	Type 2 third octave sound meter kit
TS-50546-15	CEL-620.C2/K2	Type 2 third octave sound meter kit with Insight software
TS-50546-16	CEL-620.A1/K1	Type 1 sound meter kit
TS-50546-17	CEL-620.A1/K2	Type 1 sound meter kit with Insight software
TS-50546-18	CEL-620.B1/K1	Type 1 octave band sound meter kit
TS-50546-19	CEL-620.B1/K2	Type 1 octave band sound meter kit with Insight software
TS-50546-20	CEL-620.C1/K1	Type 1 third octave sound meter kit
TS-50546-21	CEL-620.C1/K2	Type 1 third octave sound meter kit with Insight software
<b>Accessories</b>		
TS-09386-01	—	Replacement batteries, AA. 4/pkg
TS-17111-53	—	<b>NIST-traceable calibration with data for Type 2 meters</b>
TS-17111-55	—	<b>NIST-traceable calibration with data for Type 1 meters</b>

SPECIFICATIONS	
Range	20 to 140 dB
Resolution	0.1 dB
Accuracy	±1.0 dB
Measurement function	Lp, Lmx, Lmn, Leq, Ldod, Lavg, Lpk, LAE
Measurement setups	4 preconfigured plus 2 user-selectable configurations
Frequency weightings	A, C, and Z, simultaneously
Frequency analysis available	620B/630B: broadband plus octave bands; 620C/630C: broadband plus octave plus third octaves
Time responses	Slow, fast, and impulse simultaneously
Amplitude weightings (exchange rates)	Q = 3, Q = 4, Q = 5 simultaneously
Memory storage	Overall run results in both models (additional time history sample recording in CEL-630 models)
Product standards	ANSI S1.4 Type 2 or Type 1, IEC 61672
Dimensions (W x H x D)	2¾" x 9" x 1¾" (70 x 230 x 30 mm)
Power	Three AA batteries or external 12 VDC or 5 VDC via USB

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<b>CEL-630 Models</b>		
TS-50546-22	CEL-630.A2/K1	Type 2 sound meter kit
TS-50546-23	CEL-630.A2/K2	Type 2 sound meter kit with Insight software
TS-50546-24	CEL-630.B2/K1	Type 2 octave band sound meter kit
TS-50546-25	CEL-630.B2/K2	Type 2 octave band sound meter kit with Insight software
TS-50546-26	CEL-630.C2/K1	Type 2 third octave sound meter kit
TS-50546-27	CEL-630.C2/K2	Type 2 third octave sound meter kit with Insight software
TS-50546-28	CEL-630.A1/K1	Type 1 sound meter kit
TS-50546-29	CEL-630.A1/K2	Type 1 sound meter kit with Insight software
TS-50546-30	CEL-630.B1/K1	Type 1 octave band sound meter kit
TS-50546-31	CEL-630.B1/K2	Type 1 octave band sound meter kit with Insight software
TS-50546-32	CEL-630.C1/K1	Type 1 third octave sound meter kit
TS-50546-33	CEL-630.C1/K2	Type 1 third octave sound meter kit with Insight software