

Comparison of the CEL-63X model sound level meters

Features available in Phase 1 release	CEL-630	CEL-631	CEL-632	CEL-633
Class 1 or Class 2 models to ANSI/IEC (compliant with all national and international standards dependant on microphone fitted)	✓	✓	✓	✓
Broadband only 'A' model BB and octave 'B' model with 11 octave bands BB and 1/3 octave 'C' model 33 1/3 oct bands	✓	✓	✓	✓
Wide single dynamic range 20 -140 dB (no danger of being on the wrong range)	✓	✓	✓	✓
Measures everything simultaneously (no need to select frequency, time response or amplitude exchange rate)	✓	✓	✓	✓
Removable microphone/preamplifier (to measure outdoors for longer measurements)	✓	✓	✓	✓
Direct print to portable thermal printer (record key details of measurement for nuisance complaints)	✓	✓	✓	✓
Back erase to remove last 10 seconds data (to remove unwanted noise from result set)	✓	✓	✓	✓
4 independent markers to annotate recording (use to identify significant events in software)	✓	✓	✓	✓
Real time ASCII output via USB interface	✓	✓	✓	✓
Storage of overall run result data (999 sets split into individual 24 hour days)	✓	✓	✓	✓
Fixed duration run timers (1 s to 24 hour)	✓	✓	✓	✓
Download of complete run data to Casella Insight software (dedicated CEL-63X plugin)	✓	✓	✓	✓
5 x Statistical LN% parameters (4 fixed plus 1 user selectable)		✓		✓
Automatic start/stop delay timers with repeat (6 sets with day, hour minute resolution)			✓	✓
Interval logging in regular periods (all parameters as for overall run)			✓	✓
Interval logging in time history profiles (up to 6 parameters as fast as 1 second storage)			✓	✓

Features available in phase 2 release	CEL-630	CEL-631	CEL-632	CEL-633
Voice annotation at start of run to add audio notes (30 seconds record time)	✓	✓	✓	✓
Manual sound recording using marker function (wav file format)	✓	✓	✓	✓
High range measurement option (up to 165 dB with ¼ inch microphone and adaptor)	✓	✓	✓	✓
Triggered events for noise levels that exceed user selectable levels (identify noise sources)			✓	✓
Automatic sound recording of noise during triggered events (lo, med and hi resolution wav file format)			✓	✓