

## Comparison of the CEL-320, CEL-350 & CEL-360 Dosimeters

Feature	CEL-320	CEL-350	CEL-360
Accuracy to ANSI/IEC standards	2	2	2
Dynamic range (dB)	70	75	70
Measurement range(s) (dB)	30 – 100, 50 – 120, 70 - 140	65 – 140	30 – 100, 50 – 120, 70 - 140
Frequency weightings	A or C + C or Z	A & C & Z	A or C + C or Z
Time weightings	F or S or I & P	S & F & P	F or S or I & P
Amplitude weightings (Exchange rate Q)	3 & 4 or 5 or 6	3 & 5	3 & 4 or 5 or 6
Threshold(s)	2	Any	2
Criterion level	1	Any	1
Microphone type	Cable	Built-in	Cable
Convertible to sound level meter	Yes	No	Yes
Calibration method	Manual	Automatic when calibrator detected on microphone	Manual
Measured parameters	Lp, Lmx, Lmn, Lpk, Leq, Lavg, LE, Dose%, Pdose%, TWA, LN% x 5	Lp, Lmx, Lmn, Lpk, Leq, Lavg, LE, Dose%Q=3, Dose%Q=5	Lp, Lmx, Lmn, Lpk, Leq, Lavg, LE, Dose%, Pdose%, TWA, LN% x 5
Display type	LCD	96 x 26 pixel LCD	LCD
Other displays on screen	Batt, O/L, U/R, Pause, Duration	Lo Batt, O/L, U/R, Duration	Batt, O/L, U/R, Pause, Duration
Noise exposure exceedance	-	3 stage LED	-
Memory capacity (Runs)	50	180	50
Storage per run (Results/Run)	-	Leq(Q=3), Lavg(Q=5), LCpk, LZpk	10
Time history profiles	-	> 43,000	220,000
Lockable keypad against tampering	Yes	Yes	Yes
Customizable setups	13 by user	Store everything	13 by User
Customizable setup from pc	Yes	Yes	Yes
Download method	RS232 cable	Infrared	RS232 cable
Software package provided	dB10	dB35	dB12
Selection of display language	-	Eng, Fre, Ger, Ita, Spa	-
Weight with batteries (oz, gm)	7.2 oz, 200 gm	2.5 oz, 68 gm	7.2 oz, 200 gm
Size with microphone (in, mm)	4.8 x 2.6 x 1.2 in, (120 x 65 x 30 mm)	2.8 x 1.7 x 2.0 in (72 x 42 x 52 mm)	4.8 x 2.6 x 1.2 in, (120 x 65 x 30 mm)
Batteries	1 x 9V	2 x ½ AAA	1 x 9V
Battery life (hours)	40	30	40