

Interested in the B&K 2237A Sound level meter?

STOP!!

Consider the following CEL alternatives

Are you interested in this meter? then you should also consider	<i>either</i>	B&K 2237A	<i>or</i>
Features description	CEL-440.A2		CEL-480.A2
ANSI S1.4 accuracy	Type 2	Type 2	Type 2
lowest measurable noise level (dB)	20	30	20
highest measurable noise level (dB)	140	140	140
measurement range (dB)	70	70	70
number of measurement ranges	7	3	7
Frequency weightings	A, C & Z	A	A, C & Z
Time weightings (<i>response</i>)	S, F & I & Peak	S, F & I & Peak	S, F & I & Peak
Amplitude weightings (<i>exchange rate Q</i>)	3, 4, 5 & 6	3	3, 4, 5 & 6
over range indicator in display (<i>o/l</i>)	Yes	Yes	Yes
under range indicator in display (<i>u/r</i>)	Yes		Yes
wrist strap	Yes		Yes
battery pack	4 x AA	4 x AA	4 x AA
battery life (hrs)	14	>12 hrs	14
battery voltage in display (V)	Yes	Yes	Yes
size of meter alone (in)	4 x 1.5 x 13.5	3.8 x 1.6 x 10.1	4 x 1.5 x 13.5
size of meter plus filter set (in)	4 x 1.5 x 13.5	No filters available	4 x 1.5 x 13.5
weight (oz)	17	16.5	17
tripod socket	Yes	Yes	Yes
removable microphone assembly	Yes	Yes	Yes
analog output (AC)	Yes	Yes	Yes
analog output (DC)	Option	No	Option
RS232 digital output for download	Yes	Yes	Yes
measures Lp (<i>instantaneous</i>)	Yes	Yes	Yes
measures Lmx (<i>maximum</i>)	Yes	Yes	Yes
measures Lmn (<i>minimum</i>)	Yes	Yes	Yes
measures Lpk (<i>peak</i>)	Yes	Yes	Yes
measures Leq (<i>energy average</i>)	Yes	Yes	Yes
measures Lav (<i>time average</i>)	Yes	No	Yes
measures elapsed time (<i>duration</i>)	Yes	Yes	Yes
range amplitude distribution 1dB steps (<i>to calculate percentile values</i>)	Yes	No	Yes
maximum number of runs stored in memory	999	40	999
time history level recording of 2 key parameters (<i>to datalog results</i>)		No	Yes
regular periodic data logging of all parameters (<i>to collect period sets of data</i>)		Yes/ 259,200	Yes/ 220,000
delay timers up to 7 sets (<i>to start and stop runs</i>)		No	Yes
measures LAE (<i>sound exposure level</i>)	Yes	No	Yes
measures 5 x Ln% (<i>percentile or exceedance levels</i>)	Yes	No	Yes
measures TWA (<i>Time Weighted Average</i>)	Yes	No	Yes
measures LEP,d (<i>personal daily exposure</i>)	Yes	No	Yes
user selectable working day (hr:mn)	Yes	No	Yes
customizable parameters via software	Yes	No	Yes
CE mark approval	Yes	Yes	Yes
Windows analysis software as standard	Yes	Option	Yes
Instrument only price broadband (\$)	1795		2695
Instrument only price bb and oct (\$)	2395	Not available	3295
Instrument only price bb, oct and 1/3 oct (\$)	2895	Not available	3795

Note - information for above comparison taken from manufacturer's published brochures and liable to change without notice, all prices are in US\$ as at Mar 2002