SOUND LEVEL METERS – APPLICATIONS MATRIX

Model	Precision Class IEC61672 ANSI S1.4 ANSI S1.43	Frequency analysis IEC61260	Data logging	Lin. range	Configuration (Ordering codes)	Noise at work ISO9612 2003/10/EC	Machine Noise	Sound proofing	Outdoor Noise Monitor	Events	Environ. noise ISO1996 DM 16/03/98	Tonality assess. ISO226	Building Acoustics ISO140 ISO16283 ISO3382
HD2010UC.kit2	2	-		80	HD2010UC.kit2	X (*3)							
HD2010UC.kit1	1	-		80	HD2010UC.kit1	X (*3)							
HD2010UC.kit2	2	-	X	80	HD2010UC.kit2 + HD2010.O2	X			X (*2)	X	X (overall levels only)		
HD2010UC.kit1	1	-	X	80	HD2010UC.kit1 + HD2010.O2	X			X (*2)	X	X (overall levels only)		
HD2010UC/A.kit2	2	1/1	X	80	HD2010UC/A.kit2	X	X	X	X (*2)	X			
HD2010UC/A.kit2	2	1/1 1/3	X	80	HD2010UC/A.kit2 + HD2010.O1	X	X	X	X (*2)	X	X		
HD2010UC/A.kit1	1	1/1	X	80	HD2010UC/A.Kit1	X	X	X	X (*2)	X			
HD2010UC/A.kit1	1	1/1 1/3	X	80	HD2010UC/A.Kit1 + HD2010.O1	X	X	X	X (*2)	X	X		
HD2010UC/A.kit1	1	1/1 1/3	X	80	HD2010UC/A.kit1 + HD2010.O1 + HD2010.O4	X	X	X	X (*2)	X	X		X
HD2110L	1	1/1 1/3	X	110	HD2110L.Kit1 + HD2110.O1	X	X	X	X (*2)	X	X	X	
HD2110L	1	1/1 1/3 FFT	X	110	HD2110L.Kit1 + HD2110.O1 + HD2110.O6	X	X	X	X (*2)	X	X	X	
HD2110L	1	1/1 1/3	X	110	HD2110L.Kit1 + HD2110.O1 + HD2110.O4	X	X	X	X (*2)	X	X	X	X

* The Application requirements (precision class, acoustic parameters and general performances) could depend on local normative of each Country or on technical standards; in some cases, the above table could not match to such standards. The above classification applies to most diffuse normative. Please check product technical specifications for more detailed information.

*2) In conjunction with HDWME microphone protection, heated preamplifier and HD2011NMT outdoor protection for sound level meter (not included). See Noise Monitoring Stations section on pg.37 for details.

*3) basic Noise at Work functions.

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SOUND LEVEL METERS KITS CONFIGURATION BY APPLICATION

In the table below are listed kits of hardware and software for the main noise measurement applications. For each kit is specified the reference application, the name of the kit, precision class of device (to be chosen according to local rules), the **list of suggested ordering codes** for each kit including the main accessories and options, presence or not of frequency analysis functions (to be selected according to local rules), Noise Studio software modules for data analysis according to the reference application and, in the last column, sound calibrator to be included in the kit according to precision class of device.

Application	**KIT Name**	**Precision class**	**Kit content** Ordering codes	**Freq analysis**	**Post processing software***(1)	**Calibrator**
Vehicle Noise	”AUTOMOTIVE CAR INSPECTIONS”	1 or 2	Contact Delta Ohm for information	-	-	
Workplace Noise	“WORKPLACE NOISE *BASIC*”	1	HD2010UC.kit1 + NS1+ CH20 + HD2020	-	NS1	HD2020
Workplace Noise	“WORKPLACE NOISE *BASIC*”	2	HD2010UC.kit2 + NS1 + CH20 + HD2022	-	NS1	HD2022
Workplace Noise	“WORKPLACE NOISE *ADVANCED*”	1	HD2010UC/A.kit1 + NS1 + CH20 + HD2020	octave	NS1	HD2020
Workplace Noise	“WORKPLACE NOISE *ADVANCED*”	2	HD2010UC/A.kit2 + NS1+ CH20 + HD2022	octave	NS1	HD2022
Environmental Noise	“ENVIRONMENTAL NOISE”	1	HD2010UC/A.Kit1 + HD2010.O1 + NS5 + CH20 + HD2020	Octave Third octave	NS5	HD2020
Environmental Noise	“ENVIRONMENTAL NOISE”	2	HD2010UC/A.Kit2 + HD2010.O1 + NS5 + CH20 + HD2022	Octave Third octave	NS5	HD2022
Environmental Noise	“ENVIRONMENTAL NOISE *ADVANCED*”	1	HD2110L.Kit1 + HD2110.O1 + NS2A + NS5 + CH20 + HD2020	Octave Third octave	NS2A + NS5	HD2020
Building Acoustics	“BUILDING ACOUSTICS” *(3)	1	HD2010UC/A.kit1 + HD2010.O1 + HD2010.O4 + NS3 + CH20 + HD2020	Octave Third octave	NS3	HD2020
Noise Monitoring	“NOISE MONITORING BASIC”	1	HD2010UC.kit1 + HD2010.O2 + HD2010.OE + HD2010MC + NS2A + CH20 + HD2020	-	NS2A	HD2020
Noise Monitoring	“NOISE MONITORING *INTERMEDIATE*”	1	HD2010UC/A.kit1 + HD2010.O1 + HD2010.OE + HD2010MC + NS2A + CH20 + HD2020	Octave Third octave	NS2A	HD2020
Noise Monitoring	“NOISE MONITORING *ADVANCED*”	1	HD2110L.Kit1 + HD2110.O1 + HD2110.OE + HD2010MC + NS2A + CH20 + HD2020	Octave Third octave	NS2A	HD2020
Unattended Noise Monitoring with 3G	“IP65 NOISE MONITORING TERMINAL *BASIC*” **7 Days autonomy on batteries** *(2)	1	HD2011NMT-B0B + HD2011-Li40A + CH20 + NS4 +HD2010UC.kit1 + HD2010.O2 + HD2011.OMN + HD2010.OE	-	NS5 + NS2A	HD2020
Unattended Noise Monitoring with 3G	“IP65 NOISE MONITORING TERMINAL *INTERMEDIATE*” **7 Days autonomy on batteries** *(2)	1	HD2011NMT-B0B + HD2011-Li40A + CH20 + NS4 + HD2010UC/A.kit1 + HD2010.O1 + HD2011.OMN + HD2010.OE	Octave Third octave	NS5 + NS2A	HD2020
Unattended Noise Monitoring with 3G	“IP65 NOISE MONITORING TERMINAL *ADVANCED*” **7 Days autonomy on batteries** *(2)	1	HD2011NMT-B0B + HD2011-Li40A + CH20 + NS4 + HD2110L.Kit1 + HD2110.O1 + HD2011.OMN + HD2110.OE	Octave Third octave	NS5 + NS2A	HD2020

* (1) “Basic” Noise Studio software downloadable from Delta Ohm website. “Basic” Noise Studio included functions: download, display and export of data; configuration of instrument from Windows based laptop. For analysis of measurement data according to main applications please refer to Noise Studio software modules NSx

* (2) Available 48 hours autonomy, mains or solar panel power supply.

* (3) For full kit configuration see also sound sources for building acoustics