

Reactec



The HAVmeter is the size and shape of a pager. At the start of each shift, each operative signs out a HAVmeter from a base station with their personalised card which, can be programmed to take into account any existing HAVS problems. Tools fitted with Tool Tags connect magnetically with the HAVmeter and once attached, the HAVmeter provides a vibration exposure reading in real-time. The operative can then use the HAVmeter on as many tools as needed throughout the day and create a cumulative reading of their vibration exposure.

HAVi



The Havi is simple and effective device that attaches to any powered vibratory tool. The operator keys in the known vibration magnitude (m/s²), and when the tool is operated, the actual exposure to vibration (Trigger Time) and exposure points are displayed. When 100 points are reached (Exposure Action Value) an amber light flashes, and when 400 points (Exposure Limit Value) is reached a red light flashes. The operator records the exposure points for each tool used during a working shift to give their daily exposure total.

ToolMinder



Every Brandon Hire branch has immediate access to our Toolminder database containing vibration and noise data, along with details of recommended Personal Protective Equipment (PPE), for virtually every tool and product we hire. Data can be downloaded on request including both manufacturer's data to EN 67405 and independent field test data (as recommended by the HSE) to enable accurate risk assessments to be made.

Brandon Hire HAV Champions

To provide quality support and guidance for its customers, Brandon Hire has created a nationwide network of highly trained HAV Champions. These specialist advisors are able to assist every sector of the UK construction industry by advising on the right technical solutions, providing tool box talks and the knowledge, skills and support that are vital for successfully managing Hand Arm Vibration. To contact your regional Brandon Hire HAV Champion simply:-

Call your local branch on **0870 514 3391**
Email: targetrisk@brandonhire.co.uk
Telephone: **01179 718527**

Using this information

Hand Arm Vibration Symbols

- GREEN - Low Risk
- AMBER - Medium Risk
- RED - High Risk

Noise Value Symbols

- ▲ GREEN - PPE Advised
- ▲ AMBER - PPE Mandatory
- ▲ RED - CAUTION High Quality PPE Vital

Power Tools

CODE	EQUIPMENT	MANUFACTURERS DATA	HSE POINTS PER HOUR	TIME TO REACH EAV		TIME TO REACH ELV		SOUND PRESSURE
				HOURS	MINS	HOURS	MINS	
CORDLESS DRILLS								
0311	Makita BDF441RFE Cordless Drill	2.5ms2 ■	13	8	00	>24	-	70 (dBA) ▲
	Bosch GSB 14.4VRE	12.0ms2 ■	288	0	21	1	23	89 (dBA) ▲
0334	Bosch GBH 24V	10.0ms2 ■	200	0	30	2	00	86 (dBA) ▲
	Makita BHR200 24V	2.5ms2 ■	13	8	0	>24	-	87 (dBA) ▲
0348	Hilti TE6A Cordless Drill 36V	11.0ms2 ■	242	0	25	1	39	87 (dBA) ▲
PERCUSSION DRILLS								
0301	Makita HP2071F	16.0ms2 ■	512	0	12	0	47	99 (dBA) ▲
SDS HAMMER DRILLS								
0330	Makita HR2460	15.5ms2 ■	481	0	12	0	50	90 (dBA) ▲
	Hilti TE2	16.0ms2 ■	512	0	12	0	47	91 (dBA) ▲
COMBI-HAMMERS								
0314	Makita 3210C - Drilling	2.5ms2 ■	13	8	00	>24	-	89 (dBA) ▲
	Makita 3210C - Chiselling	7.0ms2 ■	98	1	1	4	5	89 (dBA) ▲
	Makita 3210C - Drilling in 7N Concrete Block	10.0ms2 ■	200	0	30	2	00	89 (dBA) ▲
	Bosch GBH2-22RE	12.0ms2 ■	288	0	21	1	23	90 (dBA) ▲
	Hilti TE30C	12.0ms2 ■	288	0	21	1	23	90 (dBA) ▲
0318	Makita HR4011C M/D Combi - Breaking	6.5ms2 ■	85	1	11	4	44	90 (dBA) ▲
	Makita HR4011C M/D Combi - H/Drilling	7.5ms2 ■	113	0	53	3	33	90 (dBA) ▲
	Bosch GBH540DE	10.0ms2 ■	200	0	30	2	00	108 (dBA) ▲
0322	Makita HR5211C H/D Combi Hammer	12.5ms2 ■	313	0	19	1	17	100 (dBA) ▲
	Bosch GBH11DE	10.0ms2 ■	200	0	30	2	0	91 (dBA) ▲
DRY DIAMOND DRILLS								
0331	Makita 8406 Dry Core Drill - 127mm bit	9.0ms2 ■	162	0	37	2	28	94 (dBA) ▲
	Makita 8406 Impact Drill 13mm bit	9.5ms2 ■	181	0	33	2	13	94 (dBA) ▲
CIRCULAR SAWS-WOOD								
0201	Bosch GKS65 190mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Makita 5703R 190mm	3.0ms2 ■	18	5	33	22	13	93 (dBA) ▲
	Hitachi C7U 190mm	<2.5ms2 ■	13	8	00	>24	-	108 (dBA) ▲
0203	Makita 5903R 230mm	3.0ms2 ■	18	5	33	22	13	95 (dBA) ▲
	Bosch GKS85S 230mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Hitachi C9U 230mm	2.5ms2 ■	13	8	0	>24	-	110 (dBA) ▲
0285	Makita BSS610RFE 18V	2.5ms2 ■	13	8	0	>24	-	91 (dBA) ▲
0209	Flex D2AB0100 Door Trimming Saw	4.5ms2 ■	41	2	28	9	53	80 (dBA) ▲
0261	Makita 3901 Biscuit Jointer	<2.5ms2 ■	13	8	0	>24	xx	87 (dBA) ▲
0254	Makita LS1040 - 260mm Mitre Saw	2.5ms2 ■	13	8	0	>24	-	93 (dBA) ▲
0213	Metabo TKHS - 315mm Saw Bench	-	-	-	-	-	-	75 (dBA) ▲
0246	Dewalt DW743 Combination Saw	<2.0ms2 ■	8	12	30	>24	-	93 (dBA) ▲
SANDERS								
0105	Makita BO4900V Orbital Sander	2.5ms2 ■	13	8	0	>24	-	71 (dBA) ▲
	Bosch GSS280 AE Orbital Sander	3.0ms2 ■	18	5	33	22	13	76 (dBA) ▲
0124	Makita B04556 Palm Sander	3.0ms2 ■	18	5	33	22	13	82 (dBA) ▲
	Bosch GSS16A Palm Sander	3.5ms2 ■	25	25	4	5	16	75 (dBA) ▲
0122	Bosch GEX150AC Random Orbital Sander	4.0ms2 ■	32	3	8	12	30	80 (dBA) ▲
	Makita BO6030 Random Orbital Sander	4.0ms2 ■	32	3	8	12	30	77 (dBA) ▲
0109	Makita SA7000C 175mm Disc Sander	2.5ms2 ■	13	8	0	>24	-	88 (dBA) ▲
0103	Makita 9401 Belt Sander	2.5ms2 ■	13	8	0	>24	-	89 (dBA) ▲
PLANERS & ROUTERS								
0113	Makita KPO810K Wood Planer	3.5ms2 ■	25	4	5	16	20	88 (dBA) ▲
	Bosch GHO40-82C Planer	2.5ms2 ■	13	8	0	>24	-	85 (dBA) ▲
0115	Makita 3612CX Router	2.5ms2 ■	13	8	0	>24	-	84 (dBA) ▲
	Bosch GOF900CE Router	4.0ms2 ■	32	3	8	16	20	89 (dBA) ▲
SCREWDRIVERS								
0435	Makita BTD130FRFE Impact/Screwdriver	14.0ms2 ■	392	0	15	1	1	90 (dBA) ▲
0419	Makita 6843 Auto-Feed Screwdriver	<2.5ms2 ■	13	8	0	>24	-	84 (dBA) ▲
0451	Makita A/F Screwdriver BFR550RFE	2.5ms2 ■	13	8	0	>24	-	77 (dBA) ▲
JIGSAWS								
0205	Bosch GST2000	4.0ms2 ■	32	3	8	16	20	83 (dBA) ▲
	Makita 4350CT - Cutting Sheet Metal	4.5ms2 ■	41	2	88	9	53	84 (dBA) ▲
	Makita 4350CT - Cutting Wood	8.0ms2 ■	128	0	47	3	8	-
0277	Bosch Cordless GST14V	<2.5ms2 ■	13	8	0	>24	-	85 (dBA) ▲
	Makita Cordless BJV180RFE - Chipboard	5.0ms2 ■	50	2	0	8	0	73 (dBA) ▲
	Makita Cordless BJV180RFE - Sheet Metal	3.5ms2 ■	25	4	5	16	20	-
RECIPROCATING SAWS								
0231	Makita Recipro Saw Cordless	18.5ms2 ■	685	0	9	0	35	84 (dBA) ▲
0266	Makita Recipro Saw JR3050V 110V	22.0ms2 ■	968	0	6	0	25	88 (dBA) ▲
	Makita Recipro Saw JR3000 110V	13.0ms2 ■	338	0	18	1	11	83 (dBA) ▲

Manufacturers data is derived from the following EN standards

EN 5349: is the standard for measuring tri-axial vibration exposure to workers using vibrating tools at the actual place of work. Results for a particular tool will vary according to different working environments. This data is not suitable for tool comparison unless the exact same working conditions are applied to each test.

EN 60745: uses the measuring methods of EN 5349 but includes reproducible test conditions to allow for tool comparison and for making an initial risk assessment. However, this laboratory test method may not represent the way tools perform at work where vibration levels may be much higher. For accurate risk assessments you need data that is representative of your real-use tool vibration.

Please Note: The information contained in this poster is intended for guidance only. If you require further information please contact Brandon Hire.