

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

Landscape, Gardening & Site Preparation

CODE	EQUIPMENT	MANUFACTURERS DATA	HSE POINTS PER HOUR	TIME TO REACH EAV HOURS	TIME TO REACH EAV MINS	TIME TO REACH ELV HOURS	TIME TO REACH ELV MINS	SOUND PRESSURE
2115	BRUSH CUTTERS Stihl Brushcutter FS130	4.5ms2 ■	41	2	28	9	53	96 (dBA) ▲
2161	Stihl Brushcutter FS450	2.2ms2 ■	10	10	10	>24		99 (dBA) ▲
2113	TILLERS AND ROTAVATORS Rotavator Tiller Camon 2000	6.9ms2 ■	95	1	3	4	12	85 (dBA) ▲
2114	Cultivator Camon C8	4.9ms2 ■						88 (dBA) ▲
2154	LAWN & TURF CARE Turf Cutter-Birchwood GMCT2	4.8ms2 ■	46	2	10	8	41	87 (dBA) ▲
2106	Lawn Scarifier Camon LS17	6.2ms2 ■	77	1	18	5	12	86 (dBA) ▲
	Lawn Scarifier -Wolfe UV35B	6.0ms2 ■	72	1	23	5	33	84 (dBA) ▲
2105	Rotary Mower Honda IZY415	5.2ms2 ■	54	1	51	7	24	94 (dBA) ▲
2149	Rotary Mower Honda HRG465SDE	3.0ms2 ■	18	5	33	22	13	94 (dBA) ▲
2136	Motorised Scythe-Tracmaster BCS 615	8.6ms2 ■	148	0	41	2	42	91 (dBA) ▲
2107	Billy Goat Vacuum KD512	6.9ms2 ■	95	1	3	4	12	109 (dBA) ▲
2170	Powered Sweeper Stihl KW85R	7.6ms2 ■	116	0	52	3	28	94 (dBA) ▲
2134	Leaf Blower Stihl SH85 2-stroke	4.6ms2 ■	42	2	22	9	27	94 (dBA) ▲
2195	TRIMMERS Cordless Hedgetrimmer-Stihl HAS 85	2.2ms2 ■	10	10	20	>24	-	83 (dBA) ▲
2117	Hedge trimmer-Stihl HS80	5.8ms2 ■	67	1	29	5	57	94 (dBA) ▲
2112	CHAIN SAWS & TIMBER TOOLS Chainsaw-Stihl 2 stroke MS361	3.6ms2 ■	26	3	51	15	26	101 (dBA) ▲
0268	Tyranosaw Bosch GFZ14-35A	4.0ms2 ■	32	3	8	12	30	91 (dBA) ▲
2181	Stump Grinder Tracmaster C500	3.9ms2 ■	30	3	17	13	9	97 (dBA) ▲
2155	POST HOLE/EARTH AUGERS One-man Auger Stihl BT121 2-stroke	2.5ms2 ■	13	8	0	>24	-	103 (dBA) ▲
2119	Two-man Auger Stihl BT360 2-stroke	10.0ms2 ■	200	0	30	2	00	99 (dBA) ▲
2137	Hydraulic Earth Auger Compact PHD	7.2ms2 ■	104	0	58	3	51	90 (dBA) ▲
2228	POWER BARROWS Belle BMD300	6.37ms2 ■	81	1	14	4	56	97 (dBA) ▲
	Deesign Muck Truck	5.86ms2 ■	69	1	27	5	49	94 (dBA) ▲
1085	COMPACTOR PLATES Wacker VP1135A	4.5ms2 ■	41	2	28	9	53	88 (dBA) ▲
	Belle PCLX320	3.25ms2 ■	21	4	44	18	56	101 (dBA) ▲
1015	Wacker WP1540A	10.8ms2 ■	233	0	27	1	43	96 (dBA) ▲
	Belle PCX13/40	2.80ms2 ■	16	6	23	>24	-	103 (dBA) ▲
0227	PETROL CUT-OFF SAWS Stihl TS410	3.9ms2 ■	30	3	17	13	9	98 (dBA) ▲
	Stihl TS400	6.8ms2 ■	92	1	5	4	20	114 (dBA) ▲
	Husqvarna K750	4.6ms2 ■	42	2	22	9	27	97 (dBA) ▲
	Makita DPC 6400	8.0ms2 ■	128	0	47	3	8	102 (dBA) ▲
0532	ELECTRIC BREAKERS Bosch GSH 16-28 Vib Reduced Breaker	10.0ms2 ■	200	0	30	2	00	92 (dBA) ▲
0509	Makita HM1810TR H/Duty AVT Breaker	9.0ms2 ■	162	0	37	2	28	84 (dBA) ▲
	Bosch GSH27 Breaker	13.0ms2 ■	338	0	18	1	11	91 (dBA) ▲
0526	Makita HM1214C AVT Breaker	8.0ms2 ■	128	0	47	3	8	78 (dBA) ▲
	Hilti TE1000 AVR Breaker	6.5ms2 ■	85	1	11	4	44	87 (dBA) ▲
	Hilti TE905 Breaker	8.5ms2 ■	145	0	42	2	46	92 (dBA) ▲
	Hilti 905AVR Breaker	8.5ms2 ■	145	0	42	2	46	92 (dBA) ▲
	Milwaukee Kango 900	11.0ms2 ■	242	0	25	1	39	105 (dBA) ▲
0501	Makita HM0871C AVT Demo Hammer	8.0ms2 ■	128	0	47	3	8	86 (dBA) ▲
0503	Makita HM1202C AVT Breaker	8.0ms2 ■	128	0	47	3	8	78 (dBA) ▲
0511	HYDRAULIC BREAKERS Hydraulic Breaker JCB HM25LV	3.2ms2 ■	20	4	53	19	32	108 (dBA) ▲
	Hydraulic Breaker JCB HM25	4.0ms2 ■	32	3	8	12	30	106 (dBA) ▲
0221	ANGLE GRINDERS Makita GA5021 - 125mm	13.5ms2 ■	145	0	42	2	46	90 (dBA) ▲
	Bosch GWS10 - 125mm	5.0ms2 ■	50	2	00	8	00	86 (dBA) ▲
0223	Bosch GWS23 - 230mm	5.5ms2 ■	61	1	39	6	37	92 (dBA) ▲
	Makita GA9020 - 230mm	5.5ms2 ■	61	1	39	6	37	89 (dBA) ▲
	Makita GA9096 - 230mm	3.0ms2 ■	18	5	33	22	13	89 (dBA) ▲
0225	Bosch GSW24-30 - 300mm	5.5ms2 ■	61	1	39	6	37	94 (dBA) ▲
	Hitachi CM12Y - 300mm	7.5ms2 ■	113	0	53	3	33	106 (dBA) ▲
0201	CIRCULAR SAWS Bosch GKS65 - 190mm	3.5ms2 ■	25	4	5	16	20	90 (dBA) ▲
	Makita 5703R - 190mm	3.5ms2 ■	25	4	5	16	20	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	00	>24	-	110 (dBA) ▲
0311	CORDLESS DRILLS Makita 8434D 14.4V	2.5ms2 ■	13	8	00	>24	-	87 (dBA) ▲
	Bosch GSB18VE2	2.5ms2 ■	13	8	00	>24	-	93 (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.