

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

Mechanical and Electrical Engineering

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
ANGLE GRINDERS								
0221	Makita 125mm GA5021	13.5ms2 ■	145	0	42	2	46	90 (dBA) ▲
	Bosch 125mm GWS10-125	5.0ms2 ■	50	2	00	8	00	86 (dBA) ▲
0223	Bosch 230mm GWS23-230	5.5ms2 ■	61	1	39	6	37	92 (dBA) ▲
	Makita 230mm GA9020	5.5ms2 ■	61	1	39	6	37	89 (dBA) ▲
	Makita 230mm GA9096	3.0ms2 ■	18	5	33	22	13	89 (dBA) ▲
0225	Bosch 300mm GSW24-300	5.5ms2 ■	61	1	39	6	37	94 (dBA) ▲
	Hitachi 300mm CM12Y	7.5ms2 ■	113	0	53	3	33	93 (dBA) ▲
JIGSAWS								
0205	Bosch GST2000	4.0ms2 ■	32	3	8	12	30	83 (dBA) ▲
	Makita 4350CT - Sheet Metal	4.5ms2 ■	41	2	28	9	53	84 (dBA) ▲
	Makita 4350CT - Wood	8ms2 ■	128	0	47	3	8	-
0277	Bosch Cordless GST14V	<2.5ms2 ■	12	8	0	>24		85 (dBA) ▲
	Makita Cordless BJV180RFE - Chipboard	5.0ms2 ■	50	2	00	8	00	73 (dBA) ▲
	Makita Cordless BJV180RFE - Sheet Metal	3.5ms2 ■	25	4	5	16	20	-
RECIPROCATING SAWS								
0231	Makita Recipro BJR181RFE Saw Cordless	18.5ms2 ■	685	0	9	0	35	84 (dBA) ▲
0266	Makita JR3050V Recipro Saw 110V	22.0ms2 ■	968	0	6	0	25	88 (dBA) ▲
	Makita JR3000 Recipro Saw 110V	13.0ms2 ■	338	0	18	1	11	83 (dBA) ▲
NIBBLERS								
0232	Makita JN1601	7.5ms2 ■	113	0	53	3	33	83 (dBA) ▲
	Hitachi CN16	<2.5ms2 ■	13	8	0	>24		79 (dBA) ▲
SHEARS								
0228	Bosch GSC2.8	3.0ms2 ■	18	5	33	22	13	80 (dBA) ▲
	Makita JS1660	8.0ms2 ■	128	0	47	3	8	84 (dBA) ▲
CUT-OFF SAWS								
METAL CUTTING CIRCULAR SAWS								
0250	Evolution 180mm Metal Cutting Circular Saw	2.5ms2 ■	13	8	0	>24	-	99 (dBA) ▲
0298	EVO Extreme 230mm Metal - Circular Saw	2.9ms2 ■	17	5	57	23	47	111 (dBA) ▲
TCT CUT-OFF SAWS								
0291	Jepson 9314 TCT Cut Off Saw	1.19ms2 ■	3	>24	-	>24	-	100 (dBA) ▲
	Evo 355 Raptor Cut Off Saw	1.39ms2 ■	4	>24	-	>24	-	113 (dBA) ▲
TCT MITRE CUT-OFF SAW								
020E	Jepson 9211d TCT Mitre Cut-Off Saw	0.8ms2 ■	1	>24	-	>24	-	100 (dBA) ▲
TCT SLIDE MITRE CUT-OFF SAW								
020K	Evolution RAGE 3 TCT Slide Mitre Saw	3.05ms2 ■	19	5	22	21	30	94 (dBA) ▲
CUT-OFF SAW								
0211	Makita 2414B 14" Cut Off Saw	2.5ms2 ■	13	8	0	>24	-	97 (dBA) ▲
	Hitachi HU14 14" Cut Off Saw	15.0ms2 ■	450	0	13	0	53	105 (dBA) ▲
PORTABLE BAND SAW								
0294	Makita 2107FK	2.5ms2 ■	13	8	0	>24	-	86 (dBA) ▲
	Milwaukee HBS120E	<2.5ms2 ■	13	8	0	>24	-	85 (dBA) ▲
RECIPROCATING PIPE SAWS								
0236	Ridge 550 Pipe Saw	16.0ms2 ■	512	0	12	0	47	86 (dBA) ▲
	Rems Tiger 560020 Pipe Saw	18.3ms2 ■	670	0	9	0	36	96 (dBA) ▲
	Rothenberger RO Tiger Pipe Saw	10.5ms2 ■	221	0	27	1	49	-
PIPE THREADERS								
1902	Ridge 690 Hand Held Threader	2.5ms2 ■	13	8	0	>24	-	80 (dBA) ▲
	Rems Amigo 530020 Hand Held Threader	2.5ms2 ■	13	8	0	>24	-	83 (dBA) ▲
	Rothenberger 2000 Hand Held Threader	5.9ms2 ■	70	1	26	5	45	87 (dBA) ▲
	Rems Mini Conduit Threader 530011	3.5ms2 ■	25	4	5	16	20	84 (dBA) ▲
IMPACT WRENCHES								
0412	Makita 6905B 1/2" Wrench 110V	16.5ms2 ■	545	0	11	0	44	93 (dBA) ▲
0417	Makita 6906 3/4" Wrench 110V	16.5ms2 ■	545	0	11	0	44	98 (dBA) ▲
0432	Makita BTW251RFE 1/2" Cordless Wrench	1.5ms2 ■	5	22	13	>24	-	90 (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 BFR550RFE A/F Screwdriver	2.5ms2 ■	13	8	0	>24	-	78 (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.