

Magic Wand Test sheet	CE	Gear	RPM	Acceleration [m/s^2]				Displacement [um]				Sound level [dB]
Where is the measurement made on the massager:			Side of head	Side of head	Top of head	Top handle	Bottom handle	Side of head	Front of head	Top Handle	Bottom handle	0.5 m away
230 V massagers												
Hitachi Magic Wand (metal head)	NO	1	4800	110	40	5	2	1000	250	70	40	46
		2	5940	>200	50	15	10	1100	300	110	50	52
Note		It is not legal to sell or use in Europe, because it is designed for the US market mains with 110 V @ 60 Hz and it is not CE certified (Europe has 230 V @ 50 Hz).										
Magic Wand Original (New Hitachi w/plastic head)	NO	1	NA	180	40	12	5	1170	100	100	60	NA
		2	NA	>200	40	20	9	1050	200	130	80	NA
Europe Magic Wand (Model after March 2013)	YES	1	2850	60	5	2	2	1200	120	60	40	<38
		2	3250	80	5	2	2	1200	200	30	30	<38
		3	3770	130	10	4	2	1400	100	30	30	<38
		4	4420	180	10	6	3	1500	130	40	25	<38
		5	5140	>200	30	12	5	1600	150	65	40	38
		6	5980	>200	30	22	12	1300	300	95	50	40
Europe Magic Wand (Model before March 2013)	YES	1	3480	50	20	2	2	1000	150	50	40	<38
		2	3750	60	20	2	2	1100	400	30	30	<38
		3	4230	90	25	3	2	1000	500	40	30	38
		4	4740	120	35	5	2	1000	400	40	40	44
		5	5190	160	65	7	2,5	1200	200	65	40	48
		6	5820	>200	70	10	3,5	1200	500	80	35	50
Magic Massager (Adam & Eve with plastic head)	NO	1	4560	185	15	35	6	1000	200	140	40	40
		2	5460	190	40	42	9	750	140	140	50	50
Note		The box has a CE mark, but it do not comply with the European CE marking rules on the product. It is missing a label on the product with the CE mark, model name, rated voltage, rated power, rated frequency and type of electrical insulation. Adam & Eve is made in two different designs, one with a metal head like the Hitachi Magic Wand (old model) and one with a plastic head where the motor is embedded (new model).										
Battery massagers												
Lelo Smart Wand (medium)	YES	1	1800	9	4	5	2	330	50	30	20	38
		max	4980	75	12	16	14	330	60	90	140	<38
Note		The measurement is made by applying pressure, and therefore it is not possible to measure without the Lelo Sense technology in function. This makes it very difficult to measure the “low” speed and it has not been possible to register any speeds in between.										
Lelo Smart Wand (large)	YES	1	1350	9	4	6	3	1000	300	700	300	<38
		2	1500	15	7	17	9	1100	350	800	350	<38
		3	1650	25	7	25	12	800	300	1150	400	<38
		4	2160	40	10	40	13	900	290	1200	450	<38
		5	2340	45	13	40	14	800	200	1300	850	<38
		6	2460	55	20	40	25	1150	300	1500	1200	<38
		7	2550	60	20	50	23	1500	500	1700	1250	<38
		max	2760	65	20	50	23	1700	400	1600	1300	<38
Hi Tech Massager	YES	1	4440	40	5	9	5	445	70	90	40	<38
		2	5460	80	11	12	6	500	50	90	40	<38
Note		CE is not confirmed, but I have not found any issues.										
Wand Essential 7 speed	YES	1	1920	11	4	10	4	400	200	350	370	40
		2	2040	12	5	12	7	370	200	350	150	48
		3	2700	67	8	25	11	700	100	210	90	44
		4	3180	80	15	27	11	800	100	150	60	46
		5	4500	80	10	29	14	700	100	140	70	48
		6	5100	100	20	30	13	800	70	140	65	50
		7	6180	150	10	33	14	840	110	130	60	54
Note			The speed is dropping fast when load is applied. CE is not confirmed, but I have not found any issues.									
Vibration Analyzer							Sound level meter					
Manufacture		Reliability Direct					Manufacture			YFE		
Model		908					Model			YF-20		
Sensor pressure [g]		750					Measurement distance [m]			0,5		
Probe surface [cm^2]		4,9										
Tester												
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