

TYPICAL APPLICATIONS Circuit Boards, Processors & Memory Modules Small Machined Components: impellers, lightly damped panels/frames Medium Structures: car frames, engines & small electric motors Heavier Devices: pumps, compressors, weldments, & impellers Heavy Devices: large weldments, propellers Building Foundations																
MMIH SERIES																
MODEL	MMIH-01-1		MMIH-01		MMIH-02		MMIH-05		MMIH-10		MMIH-20		MMIH-50		MMIH-100	
	MMIH-02PE		MMIH-05PE		MMIH-10PE		MMIH-20PE		MMIH-50PE							
	English	SI	English	SI	English	SI	English	SI	English	SI	English	SI	English	SI	English	SI
Dynamic Characteristics																
Sensitivity	444 mV/lbf	100 mV/N	111 mV/lbf	25 mV/N	11.1 mV/lbf	2.5 mV/N	4.4 mV/lbf	1.0 mV/N	2.2 mV/lbf	0.5 mV/N	1.1 mV/lbf	0.25 mV/N	0.44 mV/lbf	0.10 mV/N	0.22 mV/lbf	0.05 mV/N
	-----		-----		17.8 pC/lbf	4 pC/N	17.8 pC/lbf	4 pC/N	17.8 pC/lbf	4 pC/N	17.8 pC/lbf	4 pC/N	17.8 pC/lbf	4 pC/N	-----	
Measurement Range	±11 lbf	±50 N	±45 lbf	±200 N	±450 lbf	±2,000 N	±1,125 lbf	±5,000 N	±2,250 lbf	±10,000 N	4,500 lb	f20,000 N	±11,250 lbf	±50,000 N	±22,500 lbf	±100,000 N
Non-Linearity	≤5%		≤3%		≤3%		≤3%		≤1%		≤1%		≤1%		≤1%	
Resonant Frequency	≥4,200 kcpm	≥70 kHz	≥3,600 kcpm	≥60 kHz	≥3,300 kcpm	≥55 kHz	≥3,300 kcpm	≥55 kHz	≥2,700 kcpm	≥45 kHz	≥2,700 kcpm	≥45 kHz	≥2,700 kcpm	≥45 kHz	≥2,100 kcpm	≥35 kHz
Resolution(IEPE hammer)	2 mN rms		6 mN rms		50 mN rms		100 mN rms		250 mN rms		450 mN rms		1,000 mN rms		3,000 mN rms	
Electrical Characteristics																
IEPE Hammer	Excitation Voltage	+18 ~ +28 VDC														
	Constant Current Excitation	2 ~ 10 mA														
	Output Bias Boltage	10 ~ 14 VDC														
	Output Impedance	<100 Ohm														
PE Hammer	Capacitance	---			35 pF		35 pF		70 pF		70 pF		70 pF		---	
	Insulation Resistance	>10 ¹² Ohm														
Physical Characteristics																
Sensing Element	Quartz															
Sealling	Epoxy															
Hammer Head Weight	0.5 oz	15 gm	1.0 oz	28 gm	2.8 oz	80 gm	4.2 oz	120 gm	15.7 oz	445 gm	15.7 oz	445 gm	35.3 oz	1,000 gm	211.6 oz	6,000 gm
Head Diameter	0.55 in	14 mm	0.71 in	18 mm	0.63 in	16 mm	0.79 in	20 mm	1.26 in	32 mm	1.26 in	32 mm	1.77 in	45 mm	N/A	
Hammer Length	4.53 in	115 mm	9.84 in	250 mm	9.84 in	250 mm	9.84 in	250 mm	13.78 in	350 mm	13.78 in	350 mm	15.75 in	400 mm	41.57 in	1,056 mm
Electrical Connection Position	Bottom of Handle															
Extender Mass Weight	N/A				2.6 oz	75 gm	2.6 oz	75 gm	17.6 oz	500 gm	17.6 oz	500 gm	17.6 oz	500 gm	17.6 oz	500 gm
Electrical Connector	M5 Coaxial		BNC Jack													
Included Accessories																
	Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate		Calibration Certificate	
	Coaxial Cable 2 meters		Coaxial Cable 2 meters		Coaxial Cable 2 meters		Coaxial Cable 2 meters		Coaxial Cable 2 meters		Coaxial Cable 2 meters		Coaxial Cable 2 meters		Coaxial Cable 2 meters	
	Hammer Tip, SS		Hammer Tip, SS		Hammer Tip, SS		Hammer Tip, SS		Hammer Tip, Hard		Hammer Tip, Hard		Hammer Tip, Hard		Hammer Tip, Hard	
	Hammer Tip, Al		Hammer Tip, Al		Hammer Tip, Al		Hammer Tip, Al		Hammer Tip, Medium		Hammer Tip, Medium		Hammer Tip, Medium		Hammer Tip, Medium	
	Hammer Tip, Nylon		Hammer Tip, Nylon		Hammer Tip, Nylon		Hammer Tip, Nylon		Hammer Tip, Soft		Hammer Tip, Soft		Hammer Tip, Soft		Hammer Tip, Soft	
	Hammer Tip, Rubber		Hammer Tip, Rubber		Hammer Tip, Rubber		Hammer Tip, Rubber		Extender Mass		Extender Mass		Extender Mass		Extender Mass	