

IMPACT HAMMER SERIES

Impact Hammer

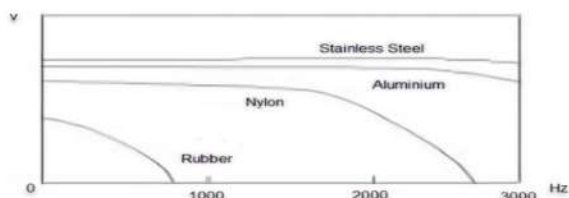
IH series Impact Hammers integrate a rugged, force sensor into the hammer's striking surface. A variety of hammers can suit different size test subjects. Assortment of tips offer frequency tailored impulse. Apply for structure health testing, resonance determination, modal analysis.



Model :		IH-01-1	IH-01	IH-02	IH-05	IH-10	IH-20	IH-50
Sensitivity	mV/N	100	25	2.5	1	0.5	0.25	0.1
Measuring Range	N pk	50	200	2000	5000	10000	20000	50000
Nonlinearity	%	≤5	≤5	≤3	≤3	≤1	≤1	≤1
Resolution	mN rms	2	6	50	100	250	450	1000
Resonant Frequency	kHz	70	60	55	55	45	45	45
Low Frequency	Hz	1	1	1	1	0.5	0.5	0.3
Head Weight	g	15	28	80	120	445	445	1000
Head Diameter	mm	Φ14	Φ18	Φ16	Φ20	Φ32	Φ32	Φ45
Hammer Length	mm	115	250	250	250	350	350	400
Output Connector		M5	BNC	BNC	BNC	BNC	BNC	BNC

Impact pulse width and Frequency Response vary for different hammer heads and tips. Typical Frequency Response is shown in the below graph

Common Parameters



IEPE Output Mode:

Excitation voltage	+18 - +28V
Constant current	2 - 10mA
DC offset	10-14 VDC
Output impedance	<100 Ω

IH-01-1

IH-01

IH-02, IH-05

IH-10, IH-20

IH-50



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