

IH-01 IEPE Instrumented Impact Hammer

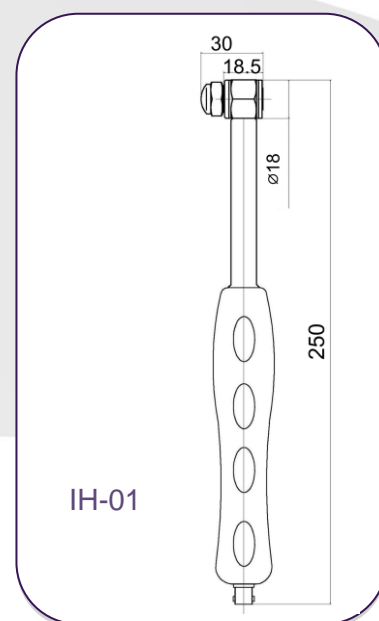
Measuring range 200N

The IH-01 impact hammer belongs to a range of general-purpose hammers used for structural health testing, resonance determination and modal analysis, the IH-01 itself being suitable for more lightweight structures and lightly damped panels.

Included within the hammer is a piezoelectric IEPE force sensor in which directly outputs a voltage signal.

Each hammer is supplied as a kit including a cable and a variety of tips able to suit a variety of testing requirements, the IH-01 terminating with a BNC connector.

Impact pulse width and frequency response is different with different hammer heads and tips. It should be based on actual tests.

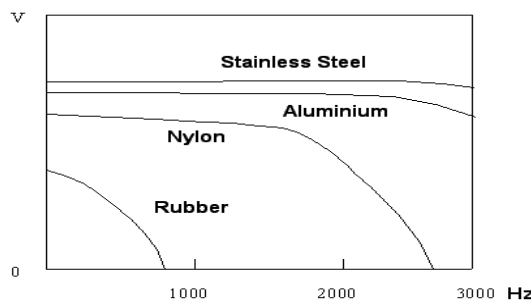


IH-01	Metric	Imperial
Sensitivity ($\pm 10\%$)	25mV/N	111.5mV/lbf
Measuring Range	200N	44.96lbf
Non-linearity	$\leq 1\%$	
Resolution	6mN(rms)	
Resonant Frequency	$\geq 60\text{kHz}$	
Low Frequency	1Hz	
Hammer head Weight	28gm	1oz
Hammer weight (total)	110g	3.88oz
Hammer Head \varnothing	18mm	0.71in
Hammer Length	250mm	9.84in
Output Connector	BNC	
Tips Supplied	Rubber, nylon, aluminium, steel	
Excitation voltage	+18 to +28V	
Constant Current	2-10mA	
Bias Voltage	10-14VDC	
Output Impedance	$\leq 100\Omega$	

Typical Frequency Response

Pulse width and frequency response vary with hammerhead materials.

This drawing is for reference.



Options

- IH-01-50 50N
- IH-01 200N
- IH-02 2000N
- IH-05 5000N
- IH-10 10000N
- IH-20 20000N
- IH-50 50000N

Other options include a wide range of accelerometers and cabling to suit any type of structural test.

Tips included



Please note: For information and reference only. Data should not be used as pass/fail criteria for calibration purposes.

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