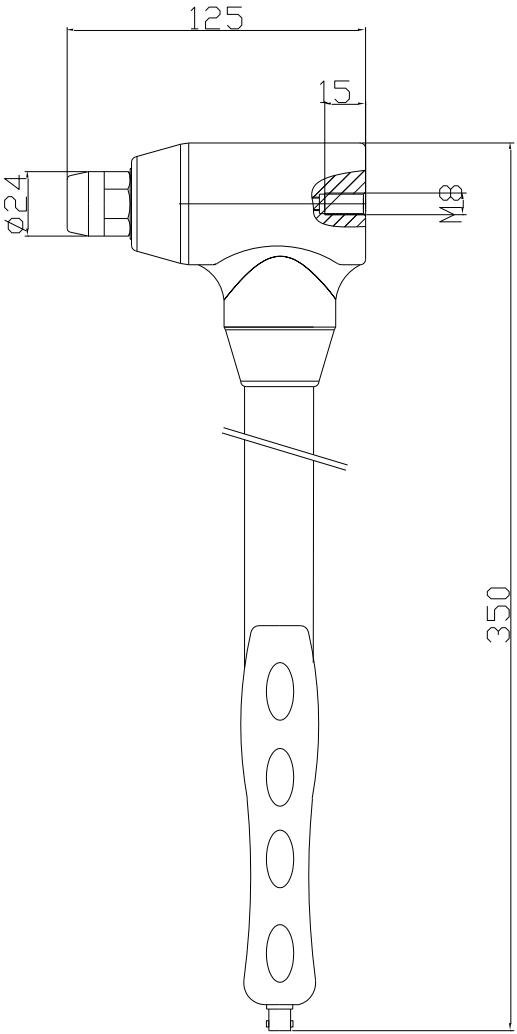



<p>Product Model: MIH Series MIH-20</p> 	<table border="1"> <thead> <tr> <th colspan="2">Impact Hammer</th> </tr> <tr> <th>Model</th> <th>MIH-20</th> </tr> </thead> <tbody> <tr> <td>Sensitivity</td> <td>0.25 mV/N</td> </tr> <tr> <td>Measurement Range</td> <td>±20,000 N Pk</td> </tr> <tr> <td>Resolution</td> <td>450 mN rms</td> </tr> <tr> <td>Min. Frequency</td> <td>1 Hz</td> </tr> <tr> <td>Resonant Frequency</td> <td>~ 45 kHz</td> </tr> <tr> <td>Non Linearity</td> <td>≤1%</td> </tr> <tr> <td>Temperature Range</td> <td>-54 to +70°C</td> </tr> <tr> <td>Excitation Voltage</td> <td>+18 to ±28 VDC</td> </tr> <tr> <td>Excitation Current</td> <td>2-10 mA</td> </tr> <tr> <td>Output Impedance</td> <td><100 Ω</td> </tr> <tr> <td>Output Bias Voltage</td> <td>11±1.5 VDC</td> </tr> <tr> <td>Sensing Element</td> <td>Quartz</td> </tr> <tr> <td>Size mm</td> <td>As figure on left</td> </tr> <tr> <td>Head Diametre</td> <td>Φ32</td> </tr> <tr> <td>Head Weight</td> <td>~ 445 grams</td> </tr> <tr> <td>Hammer Length</td> <td>350mm</td> </tr> <tr> <td>Output Connector</td> <td>BNC</td> </tr> <tr> <td>Housing Material</td> <td>Stainless Steel</td> </tr> <tr> <td>Extra Weight</td> <td>200 grams</td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Impact Hammer		Model	MIH-20	Sensitivity	0.25 mV/N	Measurement Range	±20,000 N Pk	Resolution	450 mN rms	Min. Frequency	1 Hz	Resonant Frequency	~ 45 kHz	Non Linearity	≤1%	Temperature Range	-54 to +70°C	Excitation Voltage	+18 to ±28 VDC	Excitation Current	2-10 mA	Output Impedance	<100 Ω	Output Bias Voltage	11±1.5 VDC	Sensing Element	Quartz	Size mm	As figure on left	Head Diametre	Φ32	Head Weight	~ 445 grams	Hammer Length	350mm	Output Connector	BNC	Housing Material	Stainless Steel	Extra Weight	200 grams									<p>MIH-20 IMPACT HAMMER Model is designed to excite and measure impact forces on larger heavier structures. Such as propellers and weldments. It features built-in electronics, and the output sensitivity is expressed in terms of voltage per unit force (mV/N).</p> <p>A dynamic force sensor is used to measure the response of the structure. By using an analysing system, the frequency response function and mode shapes of the test structure can then be derived. Compared to using an electrodynamic exciter, an impact hammer does not apply additional mass loading to the test object.</p> <p>Therefore, providing a very portable and accurate solution for excitation.</p> <p>Uses:</p> <ul style="list-style-type: none"> • Impact-force measurements on heavier devices • Measurement of frequency response functions using impact excitation techniques • As part of a dynamic structural testing system for modal analysis and the prediction of structural response <p>Features:</p> <ul style="list-style-type: none"> • Ergonomic handle • Negligible changes to dynamic properties of test structure • Three replaceable tips
Impact Hammer																																																				
Model	MIH-20																																																			
Sensitivity	0.25 mV/N																																																			
Measurement Range	±20,000 N Pk																																																			
Resolution	450 mN rms																																																			
Min. Frequency	1 Hz																																																			
Resonant Frequency	~ 45 kHz																																																			
Non Linearity	≤1%																																																			
Temperature Range	-54 to +70°C																																																			
Excitation Voltage	+18 to ±28 VDC																																																			
Excitation Current	2-10 mA																																																			
Output Impedance	<100 Ω																																																			
Output Bias Voltage	11±1.5 VDC																																																			
Sensing Element	Quartz																																																			
Size mm	As figure on left																																																			
Head Diametre	Φ32																																																			
Head Weight	~ 445 grams																																																			
Hammer Length	350mm																																																			
Output Connector	BNC																																																			
Housing Material	Stainless Steel																																																			
Extra Weight	200 grams																																																			
<p>1. Accessories: Coaxial Shielded Cable 2 Metres x 1; Certificate of Inspection x 1; Replaceable Tips 1 set – White (hard), Blue (soft), Black (Medium)</p>	 <p>Metromatics ABN: 47 007 346 287</p>																																																			
<p>2. Comments</p>	<p>25 Flinders Parade, North Lakes QLD 4509, AUSTRALIA www.metromatics.com.au sales@metromatics.com.au Brisbane: +61 7 3868 4255 Sydney: +61 2 9460 4355 Melbourne: +61 3 9872 4592 Adelaide: +61 8 8343 8516</p>																																																			