

# IH/50

## Impact Hammer

0.1mV/N Sensitivity, BNC Connector, 50000N pk Measurement Range



### TECHNICAL SPECIFICATIONS

#### Performance

<b>Sensitivity (<math>\pm 10\%</math>)</b>	0.1mV/N
<b>Measurement Range</b>	50000N pk
<b>Non-linearity (% FS)</b>	$\leq 1\%$
<b>Resolution</b>	1000nM rms
<b>Resonant Frequency</b>	$\geq 45\text{kHz}$
<b>Low Frequency</b>	0.3Hz

#### Electrical Characteristics

<b>Supply Voltage</b>	18 to 28V DC
<b>Supply Current</b>	2 to 10mA
<b>Bias Voltage</b>	10 to 14V DC
<b>Output Impedance</b>	$\leq 100\Omega$

#### Physical

<b>Head Weight</b>	1000 grams
<b>Head Diameter</b>	45mm
<b>Hammer Length</b>	400mm
<b>Hammer Weight (total)</b>	2kg
<b>Connector</b>	BNC

### DEVICE OPTIONS

IH/01	25mV/N Sensitivity, BNC Connector, 200N pk Measurement Range
IH/01-50	100mV/N Sensitivity, M5 Connector, 50N pk Measurement Range
IH/02	2.5mV/N Sensitivity, BNC Connector, 2kN pk Measurement Range
IH/05	1mV/N Sensitivity, BNC Connector, 5kN pk Measurement Range
IH/10	0.5mV/N Sensitivity, BNC Connector, 10kN pk Measurement Range
IH/20	0.25mV/N Sensitivity, BNC Connector, 20kN pk Measurement Range
IH/50	0.1mV/N Sensitivity, BNC Connector, 50kN pk Measurement Range

IH/50M 500 gram mass for IH/50

#### DJB INSTRUMENTS UK LIMITED

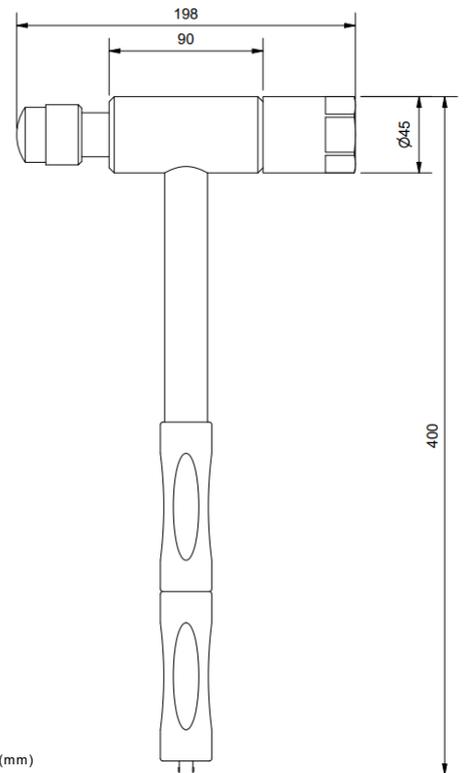
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### DIMENSIONS



All measurements in millimeters (mm)  
Not to scale

### INCLUDED WITH DEVICE

✓ 4 interchangeable tips

Soft Medium Hard



✓ 2 metre BNC to BNC cable

✓ Other cable options and lengths available



ISO 9001 – 00025363



SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

ALL DEVICES CALIBRATED IN ACCORDANCE WITH BS ISO 16063-21:2003. ALL DEVICE CALIBRATIONS ARE UKAS TRACEABLE.