

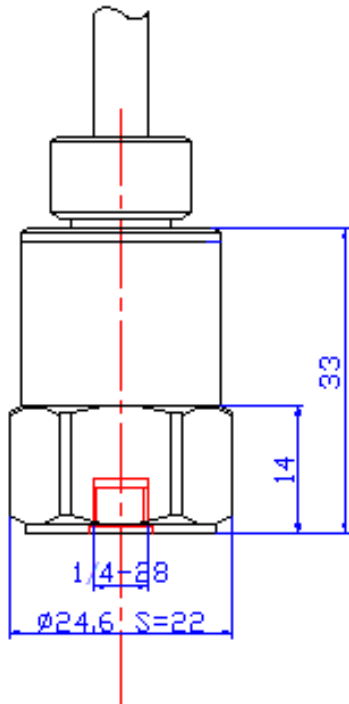
Product Model: **MM173A series**

## Piezoelectric IEPE Accelerometer

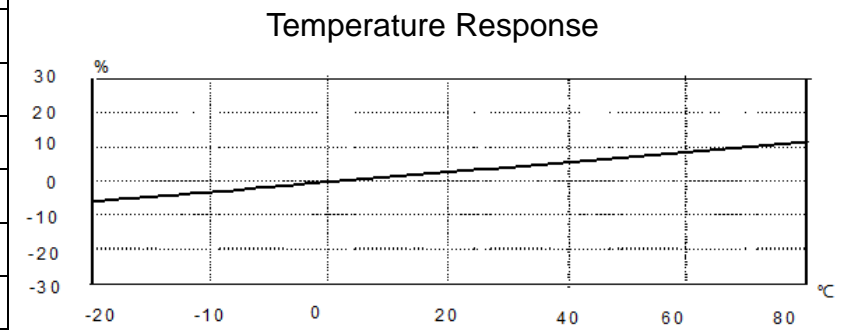
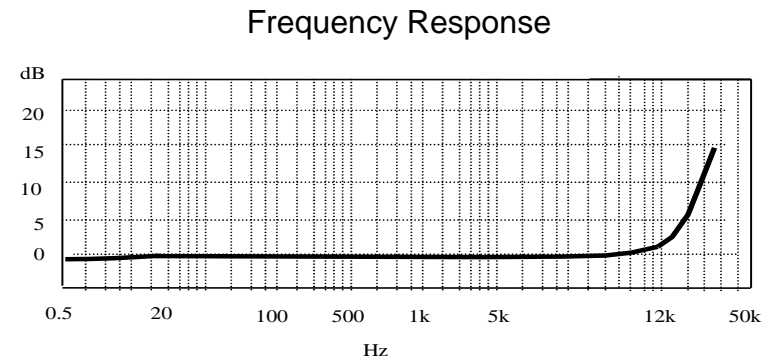
Version: **A** Date: 27/5/2022

**Sensor Feature:**

- Shear design to reduce the influence of the environment on the signal
- Using wide temperature coefficient ceramic material
- Stable output in high and low temperature



Performance	<b>MM173A-500</b>
Sensitivity ( $\pm 10\%$ )	500 mV/g
Measurement Range	$\pm 10$ g
Resolution	0.1 mg rms
Frequency Range( $\pm 1$ dB)	0.3-5,000 Hz
Resonant Frequency	$\sim 15$ kHz
Non-linearity	$\leq 1\%$
Transverse Sensitivity	$\leq 5\%$
Temperature Range	-20 $\sim$ +80 $^{\circ}\text{C}$
Excitation Voltage	+18-+28 VDC
Excitation Current	2 - 10 mA
Output Impedance	$< 100 \Omega$
Output Bias Voltage	11 $\pm$ 1.5 VDC
Sensing Element/Geometry	Ceramic/Shear
Size mm	As left figure
Weight	$\sim 38$ g
Mounting	1/4-28(Female)
Output Connector	Water-proof Integral Cable
Housing Material	316L Stainless Steel
Enclosure Rating	IP68



**Accessories**

- Water-proof coaxial shielded integral cable 1ea 2m
- Certificate of inspection 1ea
- M5 stud 1ea

**Remark**



## Metromatics

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