

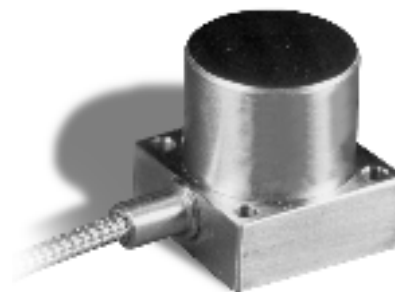
Accelerometer

Model MA331& MA332

DC RESPONSE

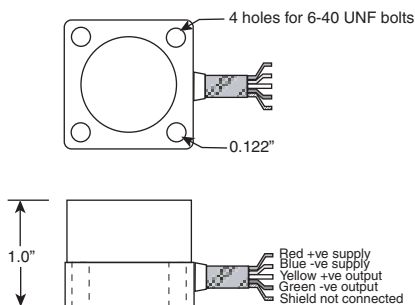
mV/V OUTPUT

UP TO 0-1800Hz USABLE RANGE

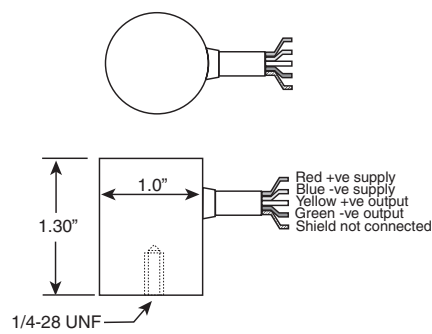


The MA 331/332 Series accelerometers are designed to be used in Industrial test and automation environments; including laboratory testing, modal studies and test cells in application requiring a frequency response down to zero hertz. The MA 331/332 Series accelerometers come in different styles. This mV/V output version is for applications where strain gage signal conditioning is likely to be used to condition the signal. The Model MA 331/332 Series can also be supplied in a number of different frequency ranges and sensitivities to suit the application. The stainless steel materials are non-magnetic resulting in very low magnetic field susceptibility. These features, together with a sealed body, assure accurate and reliable data.

Specifications



Model MA331



Model MA332

PERFORMANCE

	Order Code AG919	Order Code AG920
Sensitivity	25 - 50mV full scale	25 - 50mV full scale
Usable frequency range	Dependant on dynamic range ($\pm 5\%$)	Dependant on dynamic range ($\pm 5\%$)
	$\pm 1g$ - DC to 250 Hz	$\pm 1g$ - DC to 250 Hz
	$\pm 2g$ - DC to 250 Hz	$\pm 2g$ - DC to 250 Hz
	$\pm 5g$ - DC to 300 Hz	$\pm 5g$ - DC to 300 Hz
	$\pm 10g$ - DC to 500 Hz	$\pm 10g$ - DC to 500 Hz
	$\pm 20g$ - DC to 700 Hz	$\pm 20g$ - DC to 700 Hz
	$\pm 50g$ - DC to 1 kHz	$\pm 50g$ - DC to 1 kHz
Acceleration Limits	x20 of dynamic range	x20 of dynamic range
Temperature sensitivity	0.145 per degree F	0.145 per degree F
Transverse sensitivity	Less than 5%	Less than 5%
Amplitude linearity	Better than 1% linearity	Better than 1% linearity

ENVIRONMENTAL

Temperature range	0° F to 180° F	0° F to 180° F
Sealing	IP 65/Nema 2	IP 65/Nema 2

ELECTRICAL

Input	Voltage	Voltage
Supply voltage	5V	5V
Current range	7 mA	7 mA
Output Impedance	3000 ohms	3000 ohms
Cable	S/S overbraided PTFE	S/S overbraided PTFE
Standard cable length	16 ft.	16 ft.
Electrical noise	Less than 10 micro g	Less than 10 micro g
Isolation	Base isolated	Base isolated

MECHANICAL

Weight	1.40 oz.	1.40 oz.
Case material	Stainless Steel	Stainless Steel

OPTIONS

Different dynamic ranges	1, 2, 5, 10, 20, 50 g	1, 2, 5, 10, 20, 50 g
Cable length	Specify at time of ordering	Specify at time of ordering
Different mounting	M8 female or Quickfit female	M8 female or Quickfit female

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