

ASDE-A

Damped Miniature Acceleration Transducer

Move into the future with reliable measurements



PRODUCT INFORMATION

NEW

Minimizes the resonant peak to permit pre-arranging at any frequency



- For crash safety test

- Car crash test, Pedestrian protection, Dummy equipment, etc.

- Oil damped

- Damped accelerometers generate virtually no resonance output, so if the vibration received exceeds the frequency response range, they output waveform with virtually no resonance, minimizing the risk of saturation.

- Small-sized

- Rated capacity $\pm 9807\text{m/s}^2 (\pm 1000\text{G})$

Specifications

Performance	
Rated Capacity	$\pm 9807 \text{ m/s}^2 (\pm 1000 \text{ G})$
Rated Output	1mV/V (2000×10^{-6}) or more
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Peak-to-peak sensitivity Error:	1% RO or less
Environmental Capability	
Safe Temperature Range	-15 to 65 °C
Compensated Temperature Range	5 to 40 °C
Temperature Effect on Zero	Within $\pm 1\%$ RO / °C
Temperature Effect on Output	Within $\pm 0.5\%$ / °C
Electrical Characteristics	
Safe Excitation Voltage	10V AC or DC
Recommended excitation voltage	2 to 10V AC or DC
Input resistance	500 to 1000 ohm
Output resistance	500 to 1000 ohm
Cable	4-conductor (0.05mm ²) vinyl shielded cable, 7m long, 2.6mm diameter, terminated with connector plug (R05-PB5M)
Mechanical Properties	
Safe Overload Rating	200%
Frequency Response Range	DC to 1kHz at 23°C (sensitivity deviation $\pm 3\%$) 1 to 4 kHz at 23°C (sensitivity deviation $\pm 10\%$)
Transverse sensitivity	2% or less
Weight	Approx. 1.2g (mainframe)

Specifications are subject to change without notice for improvement.



Safety precautions

Be sure to observe the safety precautions given in the instruction manual in order to ensure correct and safe operation.



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