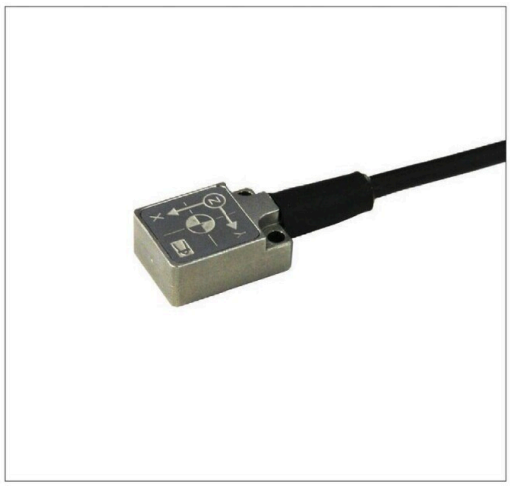
AMA-A

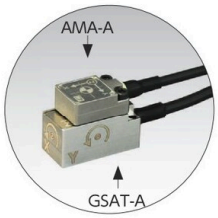
Small-sized Triaxial Accelerometer



Compact and robust triaxial models

- **Rated capacity: ±19.61, 49.03 m/s²**
- **Voltage output (2 V)**
- **Simultaneous measurement in X, Y, Z directions**
- **Breakdown diagnosis function built-in**

Compact and robust triaxial sensors (transducers) that use micro electro mechanical systems (MEMS).
They can also be used as six-axis sensors with the GSAT-A-900 (page 1-167) installed below.



Specifications

Performance	
Rated Capacity	See table below.
Nonlinearity	Within ±1% RO
Hysteresis	Within ±1% RO
Rated Output	2.0 V ±10%
Peak-to-peak Sensitivity Error	
	4% RO or less
Environmental Characteristics	
Safe Temperature	−20 to 80°C (Non-condensing)
Compensated Temperature	−10 to 60°C (Non-condensing)
Temperature Effect on Zero	Within ±0.5% RO/°C
Temperature Effect on Output	Within ±1%/°C
Electrostatic Withstand Voltage	
	4 kV
Electrical Characteristics	
Safe Excitation	Dual supply: ±7 VDC
	Single supply: 14 VDC
Recommended Excitation	Dual supply: ±2.5 to ±6 VDC
	Single supply: 5 to 12 VDC
Current Consumption	10 mA or less (At 5 VDC)
Cable	7-conductor (0.04 mm²) vinyl shielded cable, 2.4 mm diameter
	by 5 m long (Shield wire is not connected to the case.)
Mechanical Properties	
Safe Overloads	±19613 m/s²(±2000 G)
Transverse Sensitivity	4% RO or less
Frequency Response (At 23°C)	DC to 500 Hz (Sensitivity deviation: ±10%)
Weight	Approx. 3 g (Excluding cable)

■**Optional Accessories** Relay cables TE-55, TE-56
Battery box for AMA



Battery Box for AMA

■**Models**

Model	Rated Capacity
AMA-A-2	±19.61 m/s² (±2 G)
AMA-A-5	±49.03 m/s² (±5 G)

*When using the Conditioner Cards for EDX Series CVM-41A and AD-40AS, an external power supply unit is not required.
(For details, see page 2-37.)

■**Dimensions**

