

Semiconductor Acceleration Transducer for Crash Test

ASM-A-ID

NEW

Suitable for measuring acceleration of car bodies for crash test



ASM-A-2KH-ID

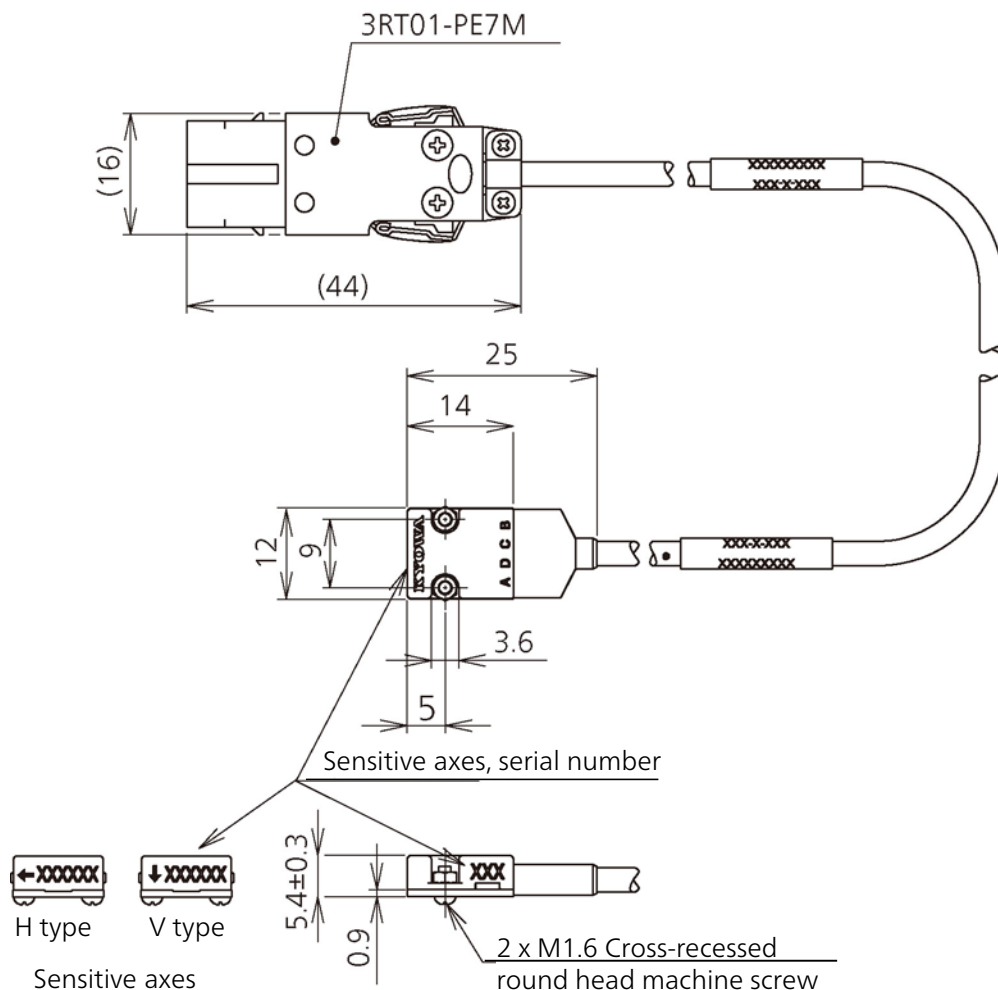


- ✓ Larger capacity and output than conventional models
- ✓ Built-in TEDS to save labor for preparation
- ✓ No damping oil ensures no temperature effects on frequency response and minimal phase shift

Lineup

Models	Sensitive Axis	Rated Capacity	Rated Output
ASM-A-2KV-ID	Vertical	$\pm 19613 \text{ m/s}^2$ ($\pm 2000 \text{ G}$)	6 mV/V
ASM-A-2KH-ID	Horizontal		

Dimensions



Specifications

Performance	
Rated Capacity	$\pm 19613 \text{ m/s}^2$ (2000 G)
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated Output	6 mV/V or more
Peak-to-peak Sensitive Errors	1.5%RO or less
Environmental Characteristics	
Safe Temperature	-20 to 60°C
Compensated Temperature	5 to 40°C
Temperature Effect on Zero	Within $\pm 3\%$ RO/°C
Temperature Effect on Sensitivity	(-1% to 0%) per °C
Electrical Characteristics	
Recommended Excitation	2 VDC
Input Resistance	120 Ω $\pm 20\%$
Output Resistance	120 Ω $\pm 20\%$
Cable	4-conductor (0.05mm ²) vinyl shielded cable, 3.2 mm diameter by 8 m long, terminated with a connector plug 3RT01-PE7M with TEDS (Shielded wire is not connected to the case)
Mechanical Properties	
Safe Overloads	150%
Frequency Response	DC to 2.8 kHz, sensitivity deviation $\pm 5\%$ at 23°C
Mounted Resonance Frequencies	25 kHz $\pm 30\%$
Transverse Sensitivity	3%RO or less
Weight	Approx. 4 g (Excluding cables)

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Safety Precautions

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

• Specifications are subject to change without notice for improvement.



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Manufacture's Representative