

The oil dumped design is least affected by impact acceleration-initiated resonance.



Features

Compact, lightweight and flangeless

Exchangeable cable

Oil-dumped type

For measuring acceleration of car bodies and components

Specifications

Performance

Rated Capacity	$\pm 9807 \text{ m/s}^2$ ($\pm 1000 \text{ G}$)
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated Output	2 mV/V (4000 $\mu\text{m/m}$) or more
Peak-to-peak Sensitivity Error	1% RO or less

Environmental Characteristics

Safe Temperature Range	-15 to 65° C
Compensated Temperature Range	5 to 40° C
Temperature Effect on Zero Balance	Within $\pm 1\%$ RO/° C
Temperature Effect on Output	Within $\pm 0.5\%$ /° C

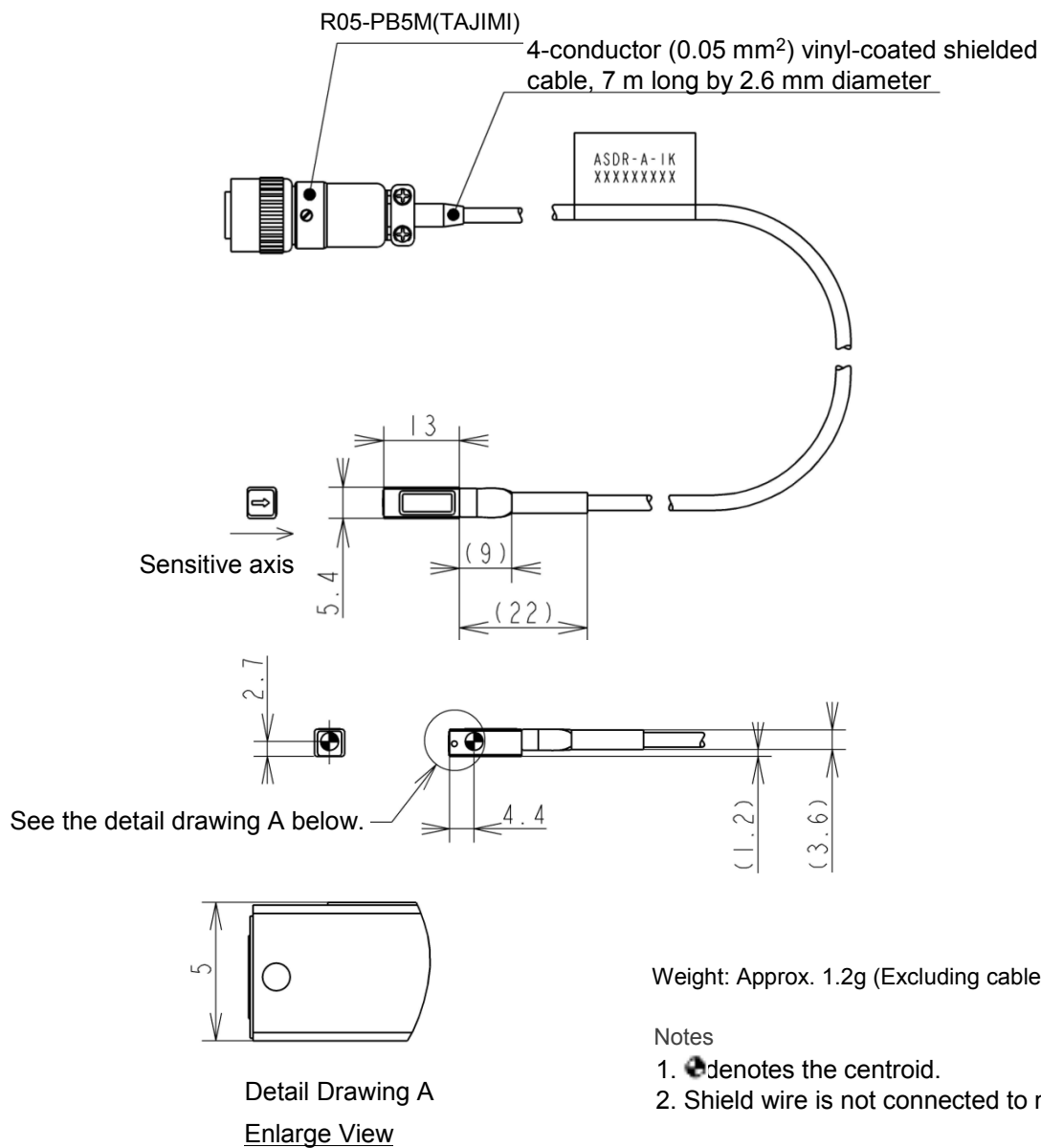
Electrical Characteristics

Safe Excitation Voltage	10 V AC or DC
Recommended Excitation Voltage	2 to 10 V AC or DC
Input Resistance	500 to 1000 Ω
Output Resistance	500 to 1000 Ω
Cable	Exchangeable at the sensor side 4-conductor (0.05 mm ²) vinyl-coated shielded cable, 7 m long by 2.6 mm diameter, terminated with R05-PB5M connector plug

Mechanical Properties

Safe Overload Rating	200%
Frequency Response Range (at 23° C)	DC to 1 kHz (sensitivity deviation $\pm 3\%$) 1 to 4 kHz (sensitivity deviation $\pm 10\%$)
Transverse Sensitivity	2% or less
Weight	Approx. 1.2 g (excluding cable)
Dimensions	See the drawing overleaf.

Dimensions



Move into the future with reliable measurements



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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.

Manufacturer's Representative