Strain Gage
Load Cell
Pressure Sensor
Acceleration Sensor
Torque Sensor
Displacement Sensor
Component Force Sensor
Automotive Sensor
Civil Engineering Sensor

AS-GA/GB

CE

Small-sized Small-capacity Acceleration Transducer

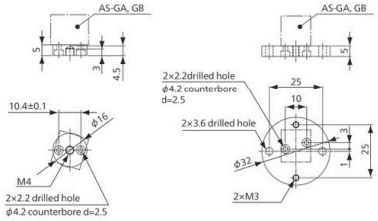


Small-capacity types suitable for model structures and the field of human engineering

- **Rated capacity: ±9.807 to 196.1 m/s²**
- **Available with detachable or integrated cable**

Compact, small-capacity transducers that use oil damped type strain gages.

■Mount Base DK-1A/B



DK-1A (Weight: Approx. 2.5 g)
DK-1B (Weight: Approx. 10 g)

Specifications

Performance	
Rated Capacity	See table below.
Nonlinearity	Within ±1% RO
Hysteresis	Within ±1% RO
Rated Output	0.5 mV/V or more
Environmental Characteristics	
Safe Temperature	−15 to 65℃
Electrical Characteristics	
Safe Excitation	6 V AC or DC
Recommended Excitation	1 to 3 V AC or DC
Input Resistance	121 Ω ±1.7%
Output Resistance	121 Ω ±1.7%
Cable	4-conductor (0.08 mm²) vinyl shielded cable, 3.2 mm diameter by 5 m long,
	AS-GA: Sensor side: Dedicated connector
	Measuring instrument side:
	Connector plug PRC03-12A10-7M
	(Shield wire is not connected to the case.)
	AS-GB: terminated with a connector plug PRC03-12A10-7M
	(Shield wire is connected to the case.)
Mechanical Properties	
Safe Overloads	300%
Frequency Response	See table below.
Transverse Sensitivity	4% RO or less
Weight	AS-GA: Approx. 15 g (Excluding cable)
	AS-GB: Approx. 25 g (Excluding cable)
Compliance	Directive 2011/65/EU,(EU)2015/863(10 restricted substances) (RoHS)

■Optional Accessories Mount Base DK-1A/B

■Models

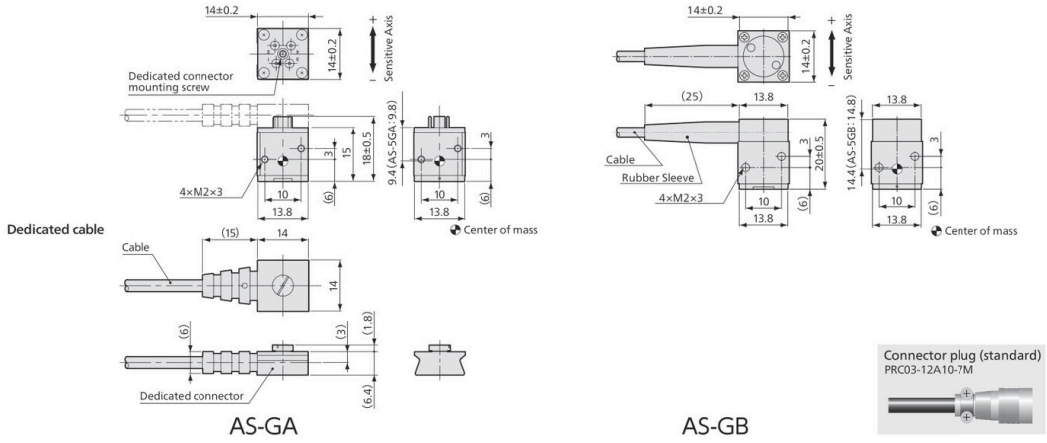
Model		Rated Capacity (Reference)	Frequency Response (At 23℃)
Connector Type	Cable Integrated Type		
AS-1GA	AS-1GB	±9.807 m/s² (±1 G)	DC to 40 Hz (Sensitivity deviation ±5%)
AS-2GA	AS-2GB	±19.61 m/s² (±2 G)	DC to 60 Hz (Sensitivity deviation ±5%)
AS-5GA	AS-5GB	±49.03 m/s² (±5 G)	DC to 100 Hz (Sensitivity deviation ±5%)
AS-10GA	AS-10GB	±98.07 m/s² (±10 G)	DC to 150 Hz (Sensitivity deviation ±5%)
AS-20GA	AS-20GB	±196.1 m/s² (±20 G)	DC to 250 Hz (Sensitivity deviation ±5%)

*AS-GB: TEDS-installed models are available. Please contact us.

To Ensure Proper Usage

For AS-1GA/1GB, if the sensitive axis is set in line with the direction of gravity, the rated capacity will be exceeded.
As long as the safe overloads is not exceeded, there will be no damage, but characteristics will be outside the guaranteed range.

■Dimensions



AS-GA AS-GB

Connector plug (standard)
PRC03-12A10-7M