

Acceleration Transducers



Using a strain gage as the sensing element, AS-GA and AS-GB series acceleration transducers are designed to measure small levels of acceleration. The compact & lightweight design makes them widely used for measurement of vibration in small structures or scale models as well as in the field of human engineering. AS-GA series comes with hermetic terminal and AS-GB series are integrated with cable. A convenient mount base to facilitate installation.

AS-GA

Technical drawing of the AS-GA connector mounting screw. The drawing shows a side view of the screw with a length of 14 mm and a top view with four mounting holes labeled 1, 2, 3, and 4. A "Sensitive Axis" arrow points upwards. The mounting holes are spaced 10 mm apart horizontally and 13.8 mm apart vertically. The screw body has a diameter of 13.8 mm. The mounting screw hole is 4xM2 d=3.

AS-GB

Technical drawing of the AS-GB connector mounting screw. The drawing shows a side view of the screw with a length of 14 mm and a top view with four mounting holes. A "Sensitive Axis" arrow points upwards. The mounting holes are spaced 10 mm apart horizontally and 13.8 mm apart vertically. The screw body has a diameter of 13.8 mm. The mounting screw hole is 4xM2 d=3.

Connector plug PRC03-12A10-7M

Approx. 25 g for AS-GB (Excluding cable)

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

DK-1A

Weight: Approx. 2.5 g, aluminum

Technical drawing of DK-1A showing a side view and a top view. The side view shows a rectangular part with a circular base, dimensions 16 (width), 5 (height), 4.5 (base diameter), 2.5 (base thickness), and 3 (total height). The top view shows a circular base with a diameter of 10.4 and a central hole with a diameter of 4.2. The base is labeled (AS-GA, GB).

DK-1B

Weight: Approx. 10 g, aluminum

Technical drawing of DK-1B showing a side view and a top view. The side view shows a rectangular part with a circular base, dimensions 32 (width), 25 (height), 10 (base diameter), 2.5 (base thickness), and 5 (total height). The top view shows a circular base with a diameter of 32 and a central hole with a diameter of 10. The base is labeled (AS-GA, GB).

Labels for DK-1B features:

- 2x3.6 drilled hole
- 2x2.2drilled hole $\phi 4.2$ counterbore d=2.5
- 2xM3 through hole

AS-GA/GB
Recommended
products for
combination

