

"SAHT" / Triaxial & High response

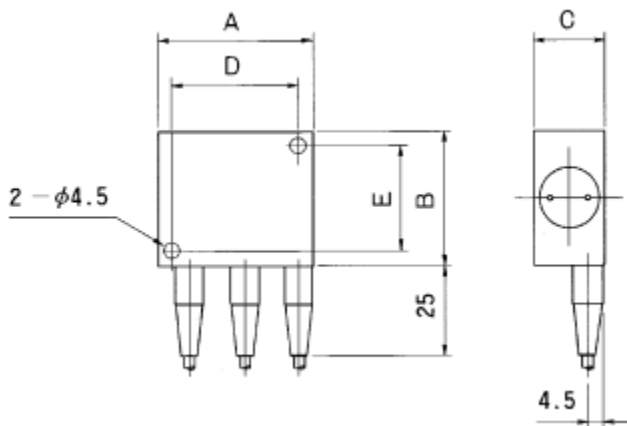


Features

- Measuring static, dynamic and impulsive accelerations.
- Small size. Triaxial and high response type.
- Accuracy class: 1% RO.

Related products : [Uniaxial & High output](#) / [Uniaxial & High response](#) / [Triaxial & High output](#)

Appearance Dimensions



Model and Capacity / Dimension / Frequency response / Weight (unit : mm)

Model	定格	A	B	C	D	E	Natural frequency	Frequency response	Weight
SAHT-100MS	$\pm 100\text{m/s}^2$ (10.20G)	44	37	20	36	29	0.5kHz	DC~0.34kHz	90g
SAHT-200MS	$\pm 200\text{m/s}^2$ (20.39G)	44	37	20	36	29	0.75kHz	DC~0.45kHz	90g
SAHT-500MS	$\pm 500\text{m/s}^2$ (50.99G)	44	37	20	36	29	1.4kHz	DC~0.9kHz	90g
SAHT-1KMS	$\pm 1\text{km/s}^2$ (102.0G)	40	30	16	30	20	1.9kHz	DC~1.1kHz	50g
SAHT-2KMS	$\pm 2\text{km/s}^2$ (203.9G)	40	30	16	30	20	3.0kHz	DC~2.0kHz	50g
SAHT-5KMS	$\pm 5\text{km/s}^2$ (509.9G)	40	30	16	30	20	5.2kHz	DC~3.0kHz	50g
SAHT-10KMS	$\pm 10\text{km/s}^2$ (1020G)	40	30	16	30	20	8.0kHz	DC~5.0kHz	50g

- * The weight indicated in the tables of this data sheet does not include the weight of cables.
- * Frequency response range:

The output of this acceleration detector to be always within $\pm 5\%$ when applying constant vibratory accelerations to this acceleration detector and changing the values of applied frequency from time to time.

■ Specifications

Safe Overload	200% RC
Rated Output	0.55mV/V $\pm 30\%$
Nonlinearity	1%RO
Hysteresis	1%RO
Transverse sensitivity	$\pm 2\%$ RO
Damping ratio	0.7 (Approx. at 25°C)
Excitation Voltage	3V (or less)
Safe Excitation Voltage	4V
Input Resistance	120 Ω
Output Resistance	120 Ω
Safe Temp.Range	-10 to 60°C
Temp.Effect on Zero	0.1%RO/°C
Cable	$\Phi 3$ mm-4wire shielded cable, length : 5m※1

※1.Connector (NDIS Standard), plug can be mounted on the cable upon special request placed (at extra charges).