

## ASHT-A

## Triaxial Acceleration Transducer

- Measures 3 X, Y, and Z axes simultaneously
- 980.7 to 9807 m/s<sup>2</sup>

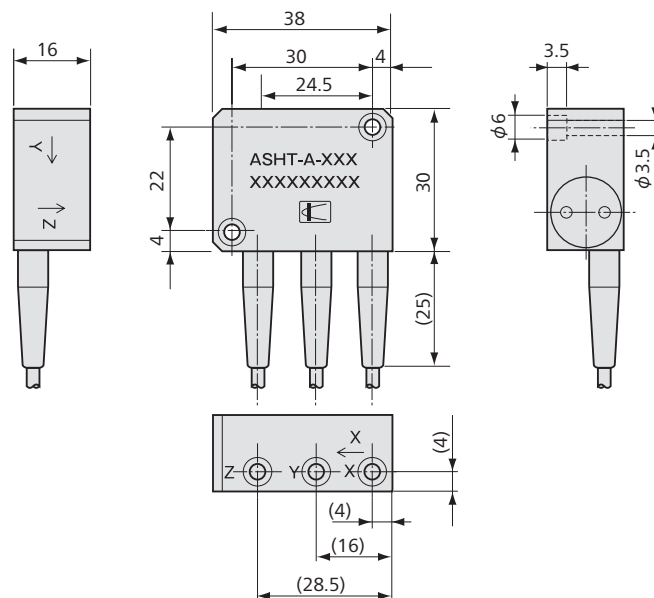


\*TEDS-installed models are available. Inquiries are welcome.

## Compact and lightweight measure 3 axes acceleration simultaneously.

- Measurement from DC is possible
- 3 acceleration transducers are within the same case, enabling measurement in X, Y, and Z axes.
- Minimal mutual interference between each axis, enabling high-accuracy measurement.
- Applicable to the analysis of acceleration in complex vibration phenomena
- Compact and lightweight

### ■ Dimensions



Connector plug  
PRC03-12A10-7M



### Specifications

#### Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated Output	0.5 mV/V $\pm 20\%$

#### Environmental Characteristics

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

#### Electrical Characteristics

Safe Excitation	6 V AC or DC
Recommended Excitation	2 V AC or DC
Input Resistance	120 $\Omega \pm 8.3\%$
Output Resistance	120 $\Omega \pm 8.3\%$
Cable	4-conductor (0.08 mm <sup>2</sup> ) vinyl shielded cable, 5 m long, 3.2 mm diameter, end connector plug PRC03-12A10-7M (Shield wire is not connected to the case.)

#### Mechanical Properties

Safe Overloads	300%
Frequency Response	See table below.
Transverse Sensitivity	2% RO or less
Weight	Approx. 45 g (With cable, 420 g)
Dimensions	30×38×16 mm

Models	Rated Capacity (Reference Value)	Frequency Response (At 23°C)
ASHT-A-100	$\pm 980.7 \text{ m/s}^2 (\pm 100 \text{ G})$	DC to 1.2 kHz $\pm 5\%$
ASHT-A-200	$\pm 1961 \text{ m/s}^2 (\pm 200 \text{ G})$	DC to 2.1 kHz $\pm 5\%$
ASHT-A-500	$\pm 4903 \text{ m/s}^2 (\pm 500 \text{ G})$	DC to 3 kHz $\pm 10\%$
ASHT-A-1K	$\pm 9807 \text{ m/s}^2 (\pm 1000 \text{ G})$	DC to 5 kHz $\pm 10\%$

### ● Dynamic measurement

ASHT-A  
Recommended  
products for  
combination

Strain Amplifier  
DPM-900 Series  
→ 3-5

Compact Recording System  
EDX-10 series  
→ 3-49

Universal Recorder  
EDX-200A  
→ 3-55

Universal Recorder  
EDX-100A  
→ 3-63

Memory Recorder/Analyzer  
EDX-5000A  
→ 3-68