

ASHT-A

- Measures 3 X, Y, and Z axes simultaneously
- 980.7 to 9807 m/s²

Triaxial Acceleration Transducer



Specifications

| Performance | |
|----------------|------------------|
| Rated Capacity | See table below. |
| Nonlinearity | Within ±1% RO |
| Hysteresis | Within ±1% RO |
| Rated Output | 0.5 mV/V ±20% |

| Environmental Characteristics | |
|-------------------------------|------------------|
| Compensated Temperature | 5 to 40°C |
| Safe Temperature | -15 to 65°C |
| Temperature Effect on Zero | Within ±1% RO/°C |
| Temperature Effect on Output | Within ±1% RO/°C |

| Electrical Characteristics | |
|----------------------------|--|
| Safe Excitation | 6 V AC or DC |
| Recommended Excitation | 2 V AC or DC |
| Input Resistance | 120 Ω±8.3% |
| Output Resistance | 120 Ω±8.3% |
| Cable | 4-conductor (0.08 mm ²) vinyl shielded cable, 5 m long, 3.2 mm diameter, end connector plug PRC03-12A10-7M (Shield wire is not connected to the case.) |

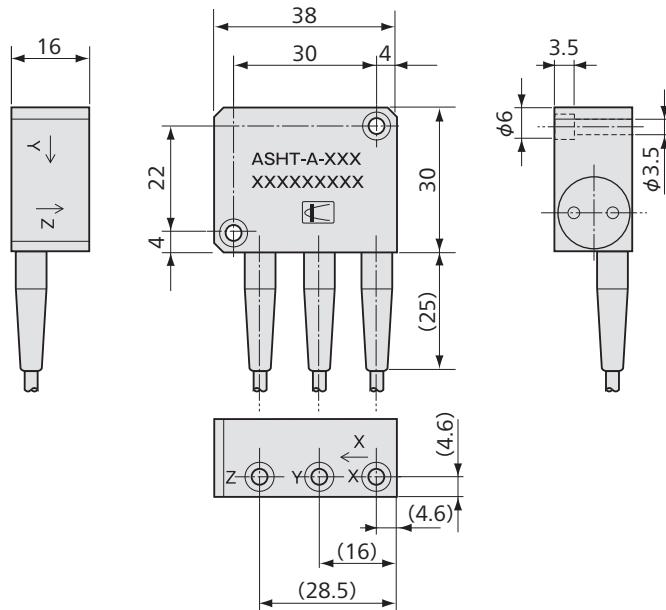
| Mechanical Properties | |
|------------------------|----------------------------------|
| Safe Overloads | 300% |
| Frequency Response | See table below. |
| Transverse Sensitivity | 2% RO or less |
| Weight | Approx. 45 g (With cable, 420 g) |
| Dimensions | 30x38x16 mm |

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

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



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 |
|---|---------------------------------------|---|------------------------------------|------------------------------------|---|