



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

### The Small and Lightweight Design Barely Disturbs the Vibration Mode of the Object under Measurement.

The small and lightweight design barely disturbs the vibration mode of the object under measurement. Easy installation is ensured using CC-33A adhesive.

#### Specifications

##### Performance

Rated Capacity	See table below.
Nonlinearity	Within $\pm 1\%$ RO
Hysteresis	Within $\pm 1\%$ RO
Rated Output	0.5 mV/V $\pm 20\%$ but $\pm 25\%$ for $\pm 98.07$ m/s <sup>2</sup>

##### Environmental Characteristics

Safe Temperature	-10 to 60°C
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##### Electrical Characteristics

Safe Excitation	6 V AC or DC
Recommended Excitation	1 to 3 V AC or DC
Input Resistance	120 $\Omega \pm 5\%$
Output Resistance	120 $\Omega \pm 5\%$
Cable	4-conductor (0.08 mm <sup>2</sup> ) vinyl shielded cable, 3.2 mm diameter by 5 m long, terminated with connector plug PRC03-12A10-7M (Shield wire is connected to the case.)

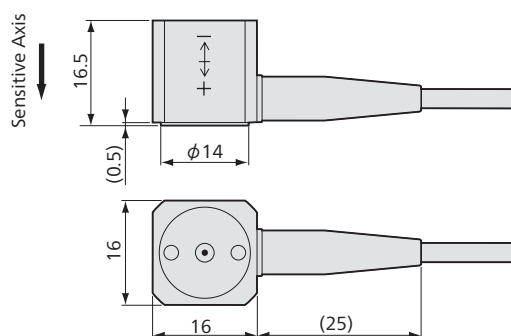
##### Mechanical Properties

Safe Overloads	300%
Frequency Response	See table below.
Transverse Sensitivity	2% RO or less
Weight	Approx. 13 g (Excluding cable)

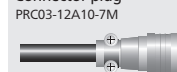
Models	Rated Capacity (Reference Value)	Frequency Response (At 23°C)
AS-10B	$\pm 98.07$ m/s <sup>2</sup> ( $\pm 10$ G)	DC to 350 Hz $\pm 5\%$
AS-20B	$\pm 196.1$ m/s <sup>2</sup> ( $\pm 20$ G)	DC to 500 Hz $\pm 5\%$
AS-50B	$\pm 490.3$ m/s <sup>2</sup> ( $\pm 50$ G)	DC to 1 kHz $\pm 5\%$

Notes: 1. Percentage in frequency response column is sensitivity deviation.  
2. Resonance frequency measured by mounting to a shaker.

#### Dimensions



Connector plug  
PRC03-12A10-7M



#### ● Dynamic measurement

