

ACCELERATION TRANSDUCERS

ARS-A High sensitive Acceleration Transducer 10m/s²



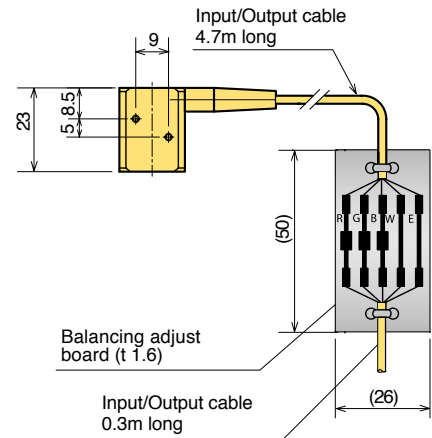
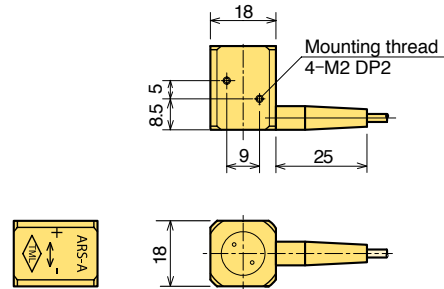
High sensitivity

Small accelerometer suitable for measurement of vibration mode of machines and structures including cable tension of bridges. High sensitivity of 30000×10^{-6} strain for 10m/s^2 makes minute vibration measurement possible.

Protection ratings: IP61 equivalent

SPECIFICATIONS

TYPE	ARS-10A
Capacity	10m/s ²
Rated Output	15mV/V (30000×10^{-6} strain)
Non-linearity	1%RO
Frequency response range	DC~30Hz
Natural frequency	55Hz
Allowable temperature range	-10 ~ +50°C
Over load	500%
Input/Output resistance	120Ω
Recommended exciting voltage	2V or less
Allowable exciting voltage	5V
Zero balance	$\pm 5000 \times 10^{-6}$ strain or less
Weight	23g



Input/Output cable :
 $\phi 3.2 \text{mm}$ 0.08mm^2 4-core shielded vinyl cable 5m

ARM-A-T Small Tri-axial model Acceleration Transducer 100m/s² / 400m/s²



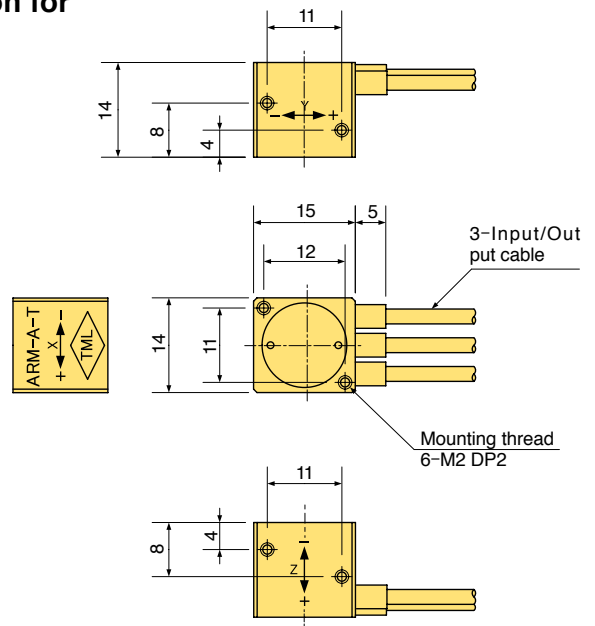
Identical gravity position for
3 axes
Easy handling

Tri-axial acceleration transducers for the fields of machines, vehicles, shipping, civil works and structures.

Protection ratings: IP61 equivalent

SPECIFICATIONS

TYPE	ARM-A-T
Numbers of measurement	3 directions
Capacity	X- and Y-directions 100m/s ² Z-direction 400m/s ²
Rated output	0.5mV/V (1000×10^{-6} strain)
Non-linearity	1%RO
Frequency response range	DC~200Hz (Sensitivity deviation $\pm 10\%$)
Natural frequency	X- and Y-directions 500Hz Z-direction 1400Hz
Cross sensitivity	3%RO (at 100m/s ² load)
Allowable temperature range	-10 ~ +60°C
Over load	300%
Input/Output resistance	X- and Y-directions 1000Ω Z-direction 200Ω
Recommended exciting voltage	2V or less
Allowable exciting voltage	5V
Weight	13g



Input/Output cable :
 $\phi 2.2 \text{mm}$ 0.05mm^2 4-core shielded vinyl cable 5m