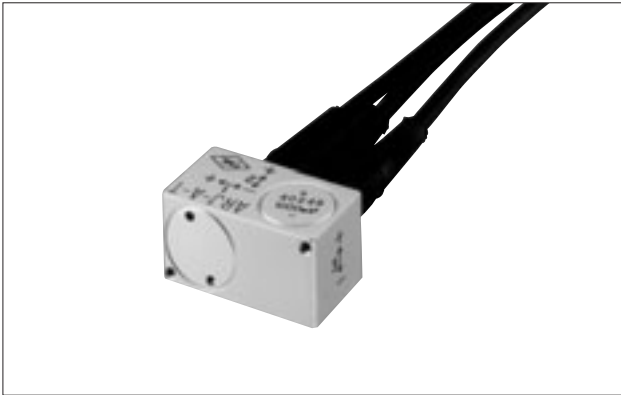


# ACCELERATION TRANSDUCERS

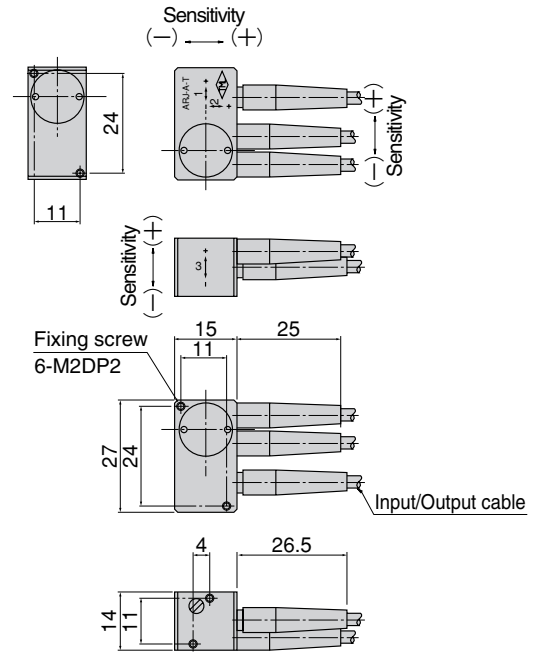
## ARJ-A-T Acceleration Transducer

50 ~ 2000m/s<sup>2</sup>



The ARJ-A-T acceleration transducer was developed to measure the acceleration of machinery, vehicles, ships, civil engineering structures, buildings, and so forth. It is designed as a small, lightweight transducer so that it can be installed without disturbing the vibration mode of an object to be measured.

Protection ratings : IP 61 equivalent



### Specifications

Type	ARJ-50A-T	ARJ-100A-T	ARJ-200A-T	ARJ-500A-T	ARJ-1000A-T	ARJ-2000A-T
No. of measurement	3					
Capacity	50m/s <sup>2</sup>	100m/s <sup>2</sup>	200m/s <sup>2</sup>	500m/s <sup>2</sup>	1000m/s <sup>2</sup>	2000m/s <sup>2</sup>
Rated Output	0.5mV/V (1000×10 <sup>-6</sup> strain)					
Non-linearity	1%RO					
Frequency response	150Hz	300Hz	500Hz	780Hz	1kHz	2kHz
Natural frequency	280Hz	500Hz	830Hz	1kHz	2kHz	3kHz
Cross sensitivity	3%RO					
Temperature range	-10~+60°C			-10~+50°C		
Over load	300%					
Input/output resistance	1kΩ					
Recommended exciting voltage	Less than 5V					
Allowable exciting voltage	15V					
Weight	27g	25g	24g	20g	22g	22g

Input/output cable : φ 3.2mm 0.08mm<sup>2</sup> 4-core shielded vinyl cable 5m  
 Input/output cable is grounded to the body.

### Application to structure

