

# ACCELERATION TRANSDUCERS

**ARGH-A-T Small, High response, High capacity, Tri-axial Acceleration Transducer 1000m/s<sup>2</sup> NEW**

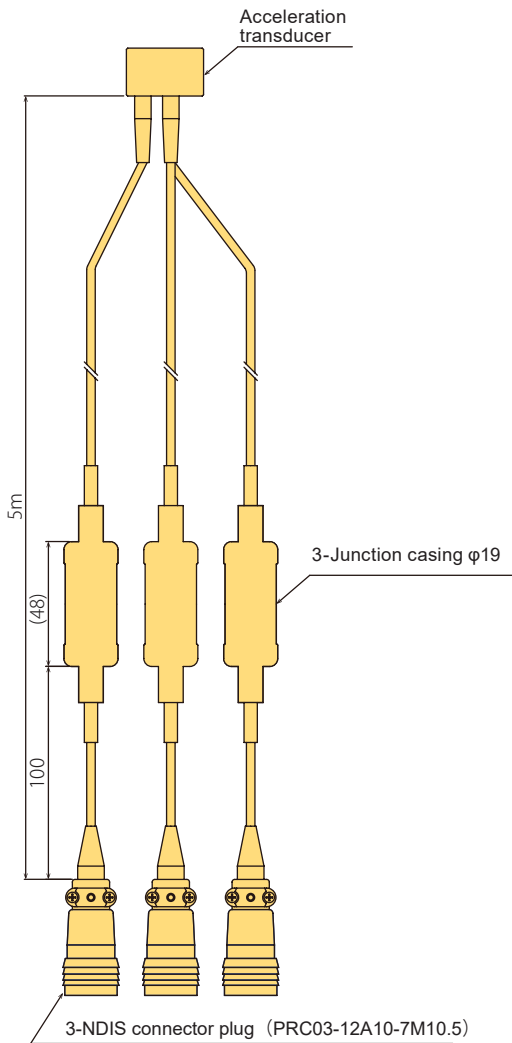


## MEMS-based tri-axial acceleration transducer compatible with DC-exciting dynamic strain meter

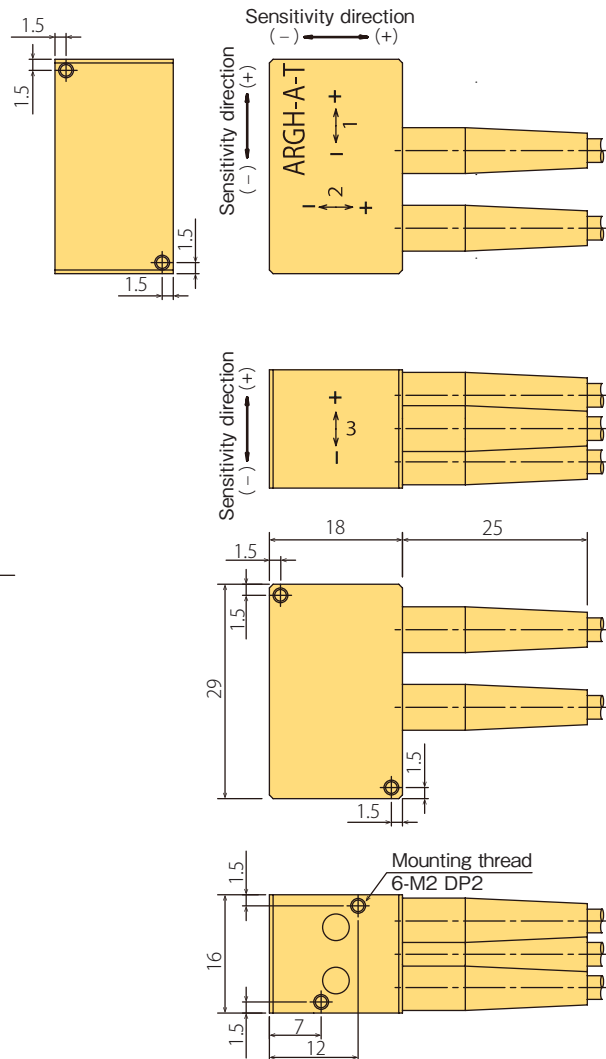
The ARGH-A-T is a small and high-response acceleration transducer incorporating a MEMS-based acceleration sensor. Its small, light-weight and robust structure allows the use of this transducer for the measurement in various fields such as machines, vehicles, ships, civil engineering and construction. This transducer can easily be used by merely connecting it to our dc-exciting dynamic strain meter without using an external power supply.

Protection ratings: IP61 equivalent

Overall view



Acceleration transducer



### SPECIFICATIONS

| TYPE                        | ARGH-1000A-T                                    |
|-----------------------------|---|
| Number of measurement axis  | 3-axis  |
| Capacity                    | 1000m/s <sup>2</sup> (102 G)                    |
| Rated output                | Equivalent to 1800×10 <sup>-6</sup> strain ±10% |
| Non-linearity               | 2%RO  |
| Frequency response range    | DC ~ 2kHz (sensitivity deviation ±10%)          |
| Cross sensitivity           | 5%RO  |
| Zero balance                | Equivalent to 2250×10 <sup>-6</sup> strain ±15% |
| Allowable temperature range | -10 ~ +60°C                                     |
| Allowable overload          | 20000 m/s <sup>2</sup>                          |
| Allowable exciting voltage  | DC 2.0 ~ 3.6 V                                  |
| Current consumption         | 20mA MAX. (DC 2 V)                              |
| Weight                      | Approx. 25g                                     |

UNIT : mm

Input/Output cable : φ 3.2mm 0.08mm<sup>2</sup> 4-core shielded vinyl cable 5m, NDIS plug attached on the end.  
 The zero balance is the output at no load and depends on the condition of the measuring instrument.  
 TMR-321, DC-204R and DC-204Ra accept the use of a remote sensing cable (CR-6184).