



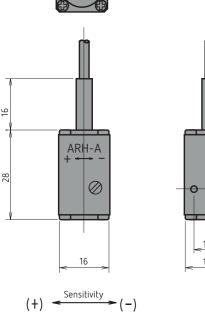
g ARH-A

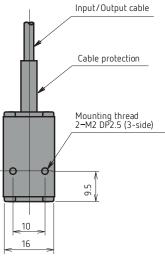
Waterproof, Low capacity Acceleration Transducer 10~500m/s²

- Waterproof type
- Low capacity

The ARH-A acceleration transducer has a waterproof structure. It is installed in water or ground or embedded in concrete. The rigid waterproof structure makes this transducer suitable for use in an adverse environment or for outdoor use. Protection ratings: IP67 equivalent







SPECIFICATIONS

| TYPE | ARH-10A | ARH-20A | ARH-50A | ARH-100A | ARH-200A | ARH-500A | | | |
|--------------------------------|---------------------------------------|--------------------|--------------------|---------------------|---------------------|---------------------|--|--|--|
| Capacity | 10m/s ² | 20m/s ² | 50m/s ² | 100m/s ² | 200m/s ² | 500m/s ² | | | |
| Rateped Output | 0.5mV/V(1000×10 ⁻⁶ strain) | | | | | | | | |
| Non-linearity | 1%R0 | | | | | | | | |
| Frequency response range (×) | DC ~ 50Hz | DC ~ 80Hz | DC ~ 1 30Hz | DC ~ 1 80Hz | DC~ 310Hz | DC ~ 520Hz | | | |
| Natural frequency | 100Hz | 150Hz | 240Hz | 300Hz | 520Hz | 870Hz | | | |
| Allowable temperature range | -10 ~ +50°C | | | | | | | | |
| Over load | 300% | | | | | | | | |
| Input/Output resistance | 120 Ω | | | | | | | | |
| Recommended exciting voltage | 2V or less | | | | | | | | |
| Allowable exciting voltage | 5V | | | | | | | | |
| Water pressure resistive | 500kPa | | | | | | | | |
| Weight | 18g | | | | | | | | |
| X Sensitivity deviation + 5% | | | | | | | | | |

 \times Sensitivity deviation ± 5%

Input/Output cable : ϕ 3.2mm 0.08mm² 4-core shielded vinyl cable 5m Shield of Input/Output cable is grounded to the body.

The information provided herein is to the best of our knowledge true and accurate, it is provided for guidance only. All specifications are subject to change without prior notification. Althen – Your expert partner in Sensors & Controls | althensensors.com

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