

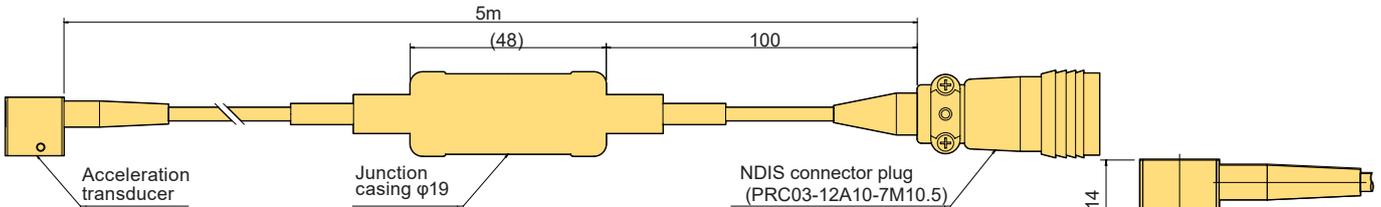
ACCELERATION TRANSDUCERS

ARGH-A Small, High response, High capacity Acceleration Transducer 500~2000m/s² **NEW**



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

The ARGH-A 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

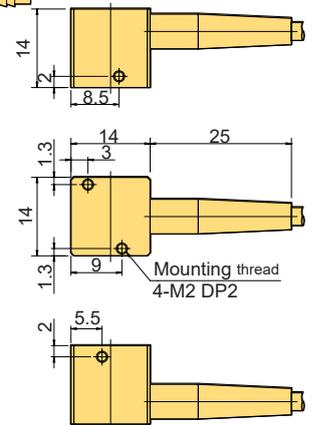
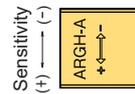


■ SPECIFICATIONS

TYPE	ARGH-500A	ARGH-1000A	ARGH-2000A
Capacity	500m/s ² (51G)	1000m/s ² (102G)	2000m/s ² (204G)
Rated output	Equivalent to 1800×10 ⁻⁶ strain±10%		
Non-linearity	2%RO		
Frequency response range	DC ~ 2kHz (sensitivity deviation ±5%)		
Zero balance	Equivalent to 2250×10 ⁻⁶ strain±15%		
Allowable temperature range	-10 ~ +60°C		
Allowable overload	20000m/s ² 4000%	20000m/s ² 2000%	20000m/s ² 1000%
Allowable exciting voltage	DC2.0 ~ 3.6V		
Current consumption	20mA MAX (DC2V)		
Weight	Approx. 10g		

Input/Output cable : φ3.2mm 0.08mm² 4-core shielded vinyl cable 5m, NDIS plug attached on the end

Sensor part

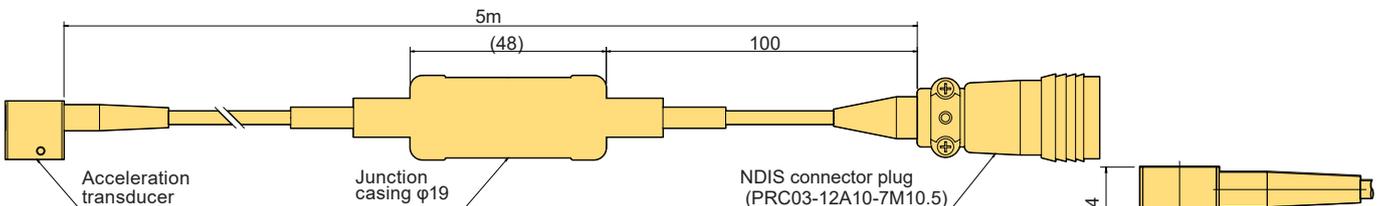


ARGL-A Small, High response, Low capacity Acceleration Transducer 20~200m/s² **NEW**



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

The ARGL-A 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



■ SPECIFICATIONS

TYPE	ARGL-20A	ARGL-40A	ARGL-100A	ARGL-200A
Capacity	20m/s ² (2.04G)	40m/s ² (4.08G)	100m/s ² (10.2G)	200m/s ² (20.4G)
Rated output	Equivalent to 800×10 ⁻⁶ strain±15%			
Non-linearity	2%RO			
Frequency response range	DC ~ 200 Hz (sensitivity deviation ±5%)			
Zero balance	Equivalent to 900×10 ⁻⁶ strain±10%			
Allowable temperature range	-10 ~ +60°C			
Allowable overload	20000m/s ² 100000%	20000m/s ² 50000%	20000m/s ² 20000%	20000m/s ² 10000%
Allowable exciting voltage	DC2.0 ~ 3.6V			
Current consumption	15mA MAX (DC2V)			
Weight	Approx. 10g			

Input/Output cable : φ3.2mm 0.08mm² 4-core shielded vinyl cable 5m, NDIS plug attached on the end

Sensor part

