

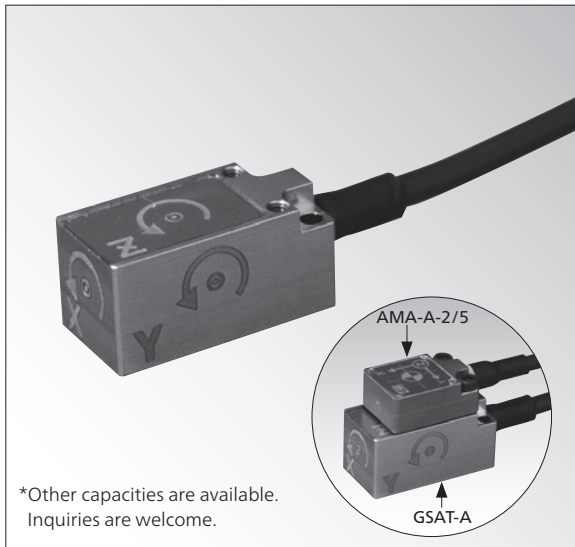
# GSAT-A-900

● ±15.71 rad/s

## Three Axis Angular Rate Gyro

2  
-130

TRANSDUCERS



\*Other capacities are available.  
Inquiries are welcome.

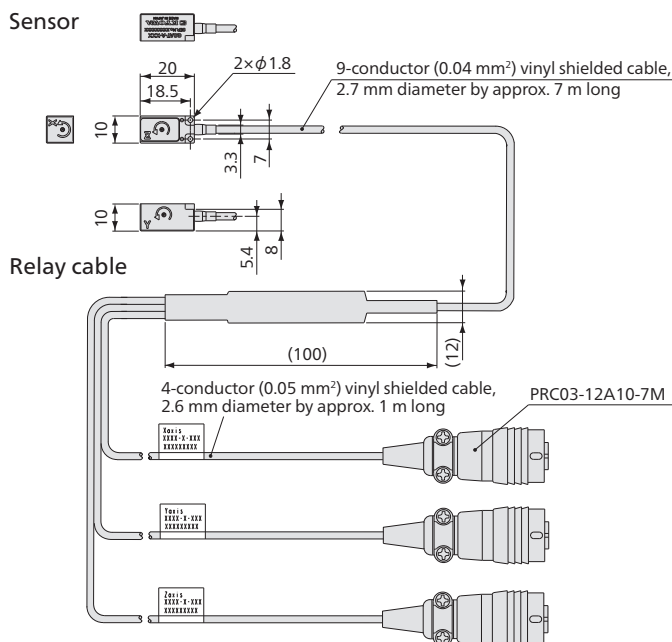
### Compact and lightweight while enabling simultaneous measurement of angular velocities in 3 directions

- Compact and triaxial
- High shock resistance 9807 m/s<sup>2</sup> (1000 G)
- Most suitable for posture measurement

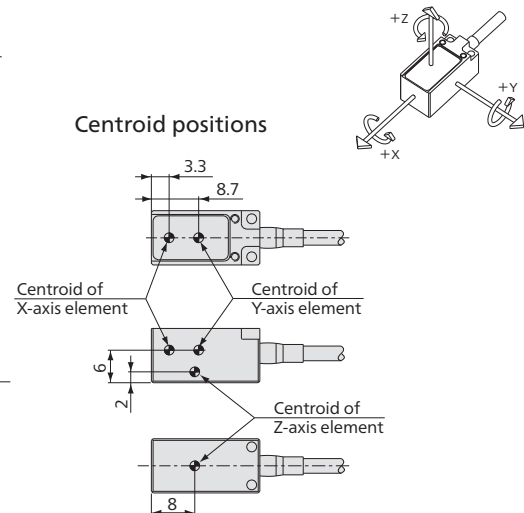
\*Allows Small-sized Triaxial Accelerometer AMA-A-2/5 (Kyowa products) to be mounted on the top.

\*GSAT-A-900-J:  
Internal Memory "TEDS IC" storing no data is mounted inside the connector plug. Do not apply excitation voltage 5 V or more between pin 4 and pin 6. If not, the "TEDS IC" may be damaged.

#### ■ Dimensions



#### [Sensitive Axes]



Weight: Approx. 10 g (Excluding cable)  
Cable full length: Approx. 8 m long

\* For rectangular connectors' type, its model is GSAT-A-900-J.

● indicates the centroid of element.

#### Specifications

##### Performance

Rated Capacity	±15.71 rad/s (±900 deg/s)
Nonlinearity	Within ±0.5% RO
Hysteresis	Within ±0.5% RO
Rated Output	Approx. 2.0 V

##### Environmental Characteristics

Safe Temperature	-10°C to 60°C
Compensated Temperature	5°C to 40°C
Temperature Effect on Zero	Within ±1.0% RO/°C

##### Electrical Characteristics

Safe Excitation	Dual supply: ±6.0 VDC
	Single supply: 12 VDC
Recommended Excitation	Dual supply: ±2.5 to ±5.0 VDC
	With single supply, see to the instruction manual.
No-load Output	Within ±10% RO
Cable	Sensor side: 9-conductor (0.04 mm <sup>2</sup> ) vinyl shielded cable, 2.7 mm diameter by approx. 7 m long
	Relay: 4-conductor (0.05 mm <sup>2</sup> ) vinyl shielded cables, 2.6 mm diameter by approx. 1 m long, terminated with connector plugs PRC03-12A10-7M (GSAT-A-900-J: 3RT01-PE7M)
	(Shield wire is not connected to the case.)

##### Mechanical Properties

Safe Overloads	1000%
Safe Shock Resistance	9807 m/s <sup>2</sup> (1000 G)
Transverse Sensitivity	10% RO or less
Weight	Approx. 10 g (Excluding cable)
Dimensions	See below.

Models	Connector
GSAT-A-900	Circular type
GSAT-A-900-J	Rectangular type



Acceleration Transducers

Outline

General

Piezoelectric

Gyro