

## Angular Rate Sensor ARST-2002

- Suitable to angular rate measurement under harsh condition;
- Based on MEMS technology;
- Ready mounting positions for 3 pcs 7264C;
- Power supply with 5V;
- High response frequency 2000Hz;
- Anti-Shock >5000g.



The 3-Axis angular rate sensor ARST-2002 is based on the principle of resonator gyroscope and contains multiple vibrating beams. When the structure rotation is detected, the capacity will be changed by Coriolis force generated. Then the angular rate can be measured by capacity converting into voltage signal. ARST-2002 supplies mounting positions for 3 pcs accelerometer 7264C. The length of wear-resistant cable and Dallas ID can be required.

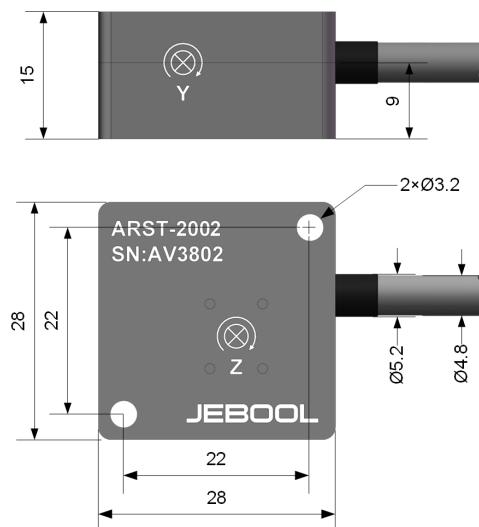
### Specification (with 5V excitation, 25°C):

Name	Unit	Value
Measure Range	dps	±8000
Over Range	dps	±20000
Linear Acc. Effect	dps/s	±0.1 (typical)
Non-Linearity	%FS	± 0.5
Bandwidth	Hz	DC-2000
Offset	mV	<50
Warmup	ms	<50
Excitation	VDC	5
Consumption	mA	<15
Anti-Shock	g	5000
Insulation Res.	MΩ	>100
Operation Temp.	°C	-40~95
Storage Temp.	°C	-40~105
Case Materials	/	Al. Alloy
Weight	grams	<50
Dimension	mm	28×28×15

Default cable length 8m;

Connector and ID as required.

### Dimension:



### Wire Assignment:

Red	Excitation+
Black	Excitation-
White	Signal-
Green	Signal+
Shield	Connector Case

(X, Y, Z direction reference cable labels)