

RATE AND INERTIAL SENSORS

TE Connectivity is a proven leader in providing electronic test and measurement solutions and inertial sensors for demanding industrial, military, aerospace, and research applications. Our accurate, rugged, and easy-to-use line of MEMS accelerometers, rate gyros, and inertial measurement systems meet the complex measurement needs of OEMs as well as test and measurement labs worldwide.



RATE AND INERTIAL SENSORS



GYROS, ANGULAR RATE SENSORS

Plug and Play

| | MEAS GY407D |
|-------------------------|--|
| Package | Anodized aluminum |
| FS Range (°/s) | ±300 |
| Unique Features | Digital output Built-in analyses Dynamic interface Performance over temperature |
| Accuracy | ±1.0% non-linearity |
| Excitation Voltage | 8.5 - 36 VDC |
| Operating Temp. | -40°C to 85°C |
| Dimensions (mm) | 36.50 x 25.40 x 17.50 |
| Typical Applications | Non-navigation heading, vehicle dynamics, test and measurement |



MEAS 11206AC

Anodized aluminum +50 180 300 600

- IdentiCal interchangeable sensor
- Best performance over temperature Gain and offset compensation • Expanded
- environmental tests ±0.1% non-linearity

8.5 - 36 VDC

-40°C to 85°C 24 x 24 x 27.30

Wind turbine.

weapons testing, test and measurement



MEAS 11207AC

Anodized aluminum ±250, 300, 450

- IdentiCal
- interchangeable sensor • High stability
- Low noise
- Vibration-rejecting

±0.01% non-linearity

- 10 36 VDC
- -40°C to 85°C
- 24 x 24 x 27.30

Wind turbine, weapons testing, test and measurement



MEAS 3120XB

Anodized aluminum +50 150 300 600 1000, 1200

- Performance over
- temperature Rugged packaging
- Power supply regulation
- Temperature calibration data

±0.1% non-linearity

- 8.5 36 VDC
- -40°C to 85°C
- 24 x 24 x 28.30 Weapons testing.

boat stabilization, test and measurement



MEAS 65210E

Anodized aluminum

- Up to ±20K on roll axis
- Complete six-degree of freedom (6DoF) and TM kit
- External inputs
- User configurable
- Self-powered

Up to ±0.1% non-linearity

- 8.5 to 36 VDC
- -40°C to 85°C
- Ø69.85 x 201.42 length

Weapons separation testing, captive carry testing



MEAS 620

| Package | Anodized aluminum |
|-------------------------|---|
| FS Range (°/s) | ±500, 1500, 6000, 12K, 18K, 24K, 50K |
| Unique Features | • Small, lightweight package • Insensitive to shock • SAEJ211 compliant |
| Accuracy | ±0.5% non-linearity |
| Excitation Voltage | 5 - 16 VDC |
| Operating Temp. | -40°C to 105°C |
| Dimensions (mm) | 16.5 x 11.4 x 7.9 |
| Typical Applications | Automotive safety crash testing, roll-over testing, motor sports, biomechanics, weapons testing |



MEAS 603

Anodized aluminum

±500, 1500, 6000, 12K, 18K, 24K

- MEMS triaxial rate sensor SAE J211 compliant
- Shock resistant housing

±0.5% non-linearity

5 - 16 VDC

-40°C to 105°C

20.8 x 20.8 x 14.5

Automotive safety crash testing, pedestrian impact, biomechanics, robotics



MEAS 633, 634

Stainless steel

±100, 500, 1500, 6000, 12K, 18K, 24K

- 6DoF analog sensor
- Rugged, compact housing
- Signal conditioned

±0.5% non-linearity

5 - 16 VDC

-40°C to 105°C

21.3 x 21.3 x 15.2

Aerospace testing, weapons testing, biomechanics, shock and impact testing

