

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.



GYROS, ANGULAR RATE SENSORS

Plug and Play



MEAS GY407D

Package	Anodized aluminum
FS Range (°/s)	±300
Unique Features	<ul style="list-style-type: none"> • 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

Package	Anodized aluminum
FS Range (°/s)	±50, 180, 300, 600
Unique Features	<ul style="list-style-type: none"> • IdentiCal interchangeable sensor • Best performance over temperature • Gain and offset compensation • Expanded environmental tests
Accuracy	±0.1% non-linearity
Excitation Voltage	8.5 - 36 VDC
Operating Temp.	-40°C to 85°C
Dimensions (mm)	24 x 24 x 27.30
Typical Applications	Wind turbine, weapons testing, test and measurement



MEAS 11207AC

Package	Anodized aluminum
FS Range (°/s)	±250, 300, 450
Unique Features	<ul style="list-style-type: none"> • IdentiCal interchangeable sensor • High stability • Low noise • Vibration-rejecting
Accuracy	±0.01% non-linearity
Excitation Voltage	10 - 36 VDC
Operating Temp.	-40°C to 85°C
Dimensions (mm)	24 x 24 x 27.30
Typical Applications	Wind turbine, weapons testing, test and measurement



MEAS 3120XB

Package	Anodized aluminum
FS Range (°/s)	±50, 150, 300, 600, 1000, 1200
Unique Features	<ul style="list-style-type: none"> • Performance over temperature • Rugged packaging • Power supply regulation • Temperature calibration data
Accuracy	±0.1% non-linearity
Excitation Voltage	8.5 - 36 VDC
Operating Temp.	-40°C to 85°C
Dimensions (mm)	24 x 24 x 28.30
Typical Applications	Weapons testing, boat stabilization, test and measurement



MEAS 65210E

Package	Anodized aluminum
FS Range (°/s)	Up to ±20K on roll axis
Unique Features	<ul style="list-style-type: none"> • Complete six-degree of freedom (6DoF) and TM kit • External inputs • User configurable • Self-powered
Accuracy	Up to ±0.1% non-linearity
Excitation Voltage	8.5 to 36 VDC
Operating Temp.	-40°C to 85°C
Dimensions (mm)	Ø69.85 x 201.42 length
Typical Applications	Weapons separation testing, captive carry testing



MEAS 620

Package	Anodized aluminum
FS Range (°/s)	±500, 1500, 6000, 12K, 18K, 24K, 50K
Unique Features	<ul style="list-style-type: none"> • 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

Package	Anodized aluminum
FS Range (°/s)	±500, 1500, 6000, 12K, 18K, 24K
Unique Features	<ul style="list-style-type: none"> • MEMS triaxial rate sensor • SAEJ211 compliant • Shock resistant housing
Accuracy	±0.5% non-linearity
Excitation Voltage	5 - 16 VDC
Operating Temp.	-40°C to 105°C
Dimensions (mm)	20.8 x 20.8 x 14.5
Typical Applications	Automotive safety crash testing, pedestrian impact, biomechanics, robotics



MEAS 633, 634

Package	Stainless steel
FS Range (°/s)	±100, 500, 1500, 6000, 12K, 18K, 24K
Unique Features	<ul style="list-style-type: none"> • 6DoF analog sensor • Rugged, compact housing • Signal conditioned
Accuracy	±0.5% non-linearity
Excitation Voltage	5 - 16 VDC
Operating Temp.	-40°C to 105°C
Dimensions (mm)	21.3 x 21.3 x 15.2
Typical Applications	Aerospace testing, weapons testing, biomechanics, shock and impact testing