Aerospace and Military Sensor Applications

for System and Test Use

Sensor Types

Pressure
Temperature
Position
Tilt
Vibration
Force
Humidity

Custom Solutions
Aerospace Applications Expertise
NASA and ESA Certified
Proprietary Technologies
Quality Design
Reliable Sourcing

measurement SPECIALTIES

Aerospace and Military Sensor Applications

Commercial Aircraft

LVDT - Inlet guide vane • Spoiler actuator • Tail rudder actuator position • Autopilot elevator control

Bonded Foil Strain Gage (BFSG) Pressure Transducer - Aircraft hydraulic braking monitoring • Cabin air pressure monitoring • Cockpit pressure monitoring • Flight test altimeter • Hydraulic pressure engine torquemeter • Flight test engine monitoring • Engine monitoring

US300 Pressure Transducer - General aviation fuel pressure

NTC Thermistor - Environmental controls • Cockpit display and electronic systems

Accelerometer - Wing flutter and nacelle vibrations testing • Landing gear testing

Military Aircraft

LVDT - Cockpit throttle position • Flap actuator • Pilots breathing system • In-flight refueling • Air brake spool valve • Weapons rack

Mini Load Cells - Linkage forces • Cable loads • Actuator • Weapons • Servo forces

Mini Silicon Diffused Diaphragm Pressure Transducer - Wind tunnel • Flight probes

BFSG Pressure Transducer - In-flight refueling pods

Accelerometer - Flutter and flight dynamics • Seat ejection

NTC Thermistors - Environmental controls • Cockpit display and electronic systems

Weapons Systems

LVDT - Cryogenic pump for infra red detectors • Submarine hatch actuator • Submarine secondary propulsion system

RVDT - All terrain fighting vehicle controls • Unmanned Aerospace Vehicle (UAV) or drone flight controls

RVDT/LVDT - Targeting system - Lens focusing

LVDT/Accelerometer - Missile firing/ guidance • Safe & arm

BFSG Pressure Transducer - Torpedo launch tube monitoring

NTC Thermistors - Guidance systems

Satellites

LVDT - Satellite telescope mirror position

NTC Thermistor - Temperature for solar array panels • Power supply management • Satellite - motor monitoring

Accelerometer - Payload/satellite vibration from launch time to orbit

Helicopters

BFSG Pressure Transducer - Engine torque monitoring • Flight test engine differential pressure • Gearbox monitoring

Low Profile Strain Gage & Diffused Diaphragm Pressure Transducer - Rotor blade profiling/studies

Accelerometer - Flight vibration testing • Gearbox monitoring

NTC Thermistors - Bearing temperature monitoring • Guidance sytems • Cockpit display and electronic systems • Rotor gearbox temperature monitoring

measurement SPECIALTIES

Quality Policy

Measurement Specialties is committed to meeting the needs and expectations of our customers regarding Quality, Cost and Delivery, and to satisfy the business objectives of our organization. This commitment is reflected through the pursuit of:

- Establishment of trust and respect between ourselves and our customers
- Teamwork
- On-going education and training
- Continuous improvement
- Loyalty to our employees

We understand that good quality is a contribution to cost reduction, and that the quality of products we sell must conform to our customers' requirements and expectations.


CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of

Measurement Specialties, Inc.
Sensors Division
1000 Lucas Way
Hampton, Virginia 23666, USA

having been audited in accordance with the requirements of Air 5369 Rev B has been approved by Lloyd's Register Quality Assurance to the following Quality Management System Standards:

ISO 9001:2000, ANSI/ISQ/ASQ Q9001-2000
AS 9100 Rev B

The Quality Management System is applicable to:

Design, Manufacture, In-House Servicing and Distribution of Sensors, Actuators, and Accessories.

Approval Certificate No: UQA 0101729 Original ISO Approval: July 8, 1999 Original AS Approval: January 6, 2003 Current Certificate: January 6, 2006

Measurement Specialties measures its progress towards meeting our business objectives and total customer satisfaction by utilizing the following metrics:

- Quality Performance
- On-Time Delivery
- Product & Process Performance
- Customer Complaints and Resolutions
- Customer Satisfaction Surveys
- Internal Audit Results
- Cost of Poor Quality

Certifications
ISO9001, ISO14001, TS16949, AS9100

About Measurement Specialties

Measurement Specialties (MEAS) designs and manufactures sensors and sensor-based systems to measure pressure, force, position, tilt, vibration, humidity and temperature. MEAS uses multiple technologies - including piezoresistive, electro-optic, electro-magnetic, capacitive, application specific integrated circuits (ASICs), microelectromechanical systems (MEMS), piezoelectric polymers and strain gauges - to engineer sensors that operate precisely and cost effectively in mild to very harsh environmental conditions.

Measurement Specialties, Inc. is traded on NASDAQ under symbol MEAS

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