Applications Specialists for Sensors, Data Acquisition, Instrumentation, Test Equipment & Contract Manufacturing

Strain Gages & Installation

Data Acquisition & Signal Conditioning

Sensors

Wireless/Telemetry

Vibration & Environmental Testing

OEM & Contract Manufacturing

Customer Service
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**Interface**

- Load Cells & Force sensors
- Torque sensors: reaction, rotating & wireless
- Multi-axis transducers
- Instruments: Digital displays & hand-held meters
- Calibration systems & services

**Hitec Sensor Developments**

- Custom force, torque & strain measurement:
  - Custom strain gage installation on components
  - Field & lab services for strain measurement & data acquisition
  - Custom transducer design & calibration

**MICRO Measurements**

- Strain gages, bondable resistors, installation, accessories & training
- StrainSmart Systems, Signal conditioners, portable strain indicators
- PhotoStress Photoelastic stress analysis systems

**Strainsert**

- Force sensing bolts, clevis pins, load pins, & tension links.

**Sensuron**

- Fiber-optic based strain, temperature & shape measurement specializing in aerospace, automotive, defense, and composites industries

**LaVision**

- State-of-the-art, non-intrusive Digital Image Correlation (DIC) optical tool for shape, strain and deformation analysis of solid, granular and liquid subjects.

**Tekscan**

- Thin-film tactile pressure & force measurement for gaskets, seals, grip/ergonomics, seating/bedding, brakes, tires, roller-nip & many other applications.

**Viatran**

- Pressure & level solutions for municipal, industrial, & process markets:
  - Sensors for hostile service including slurries
  - Submersible pressure & level sensors

**Hi-Techniques**

- Ethernet/EtherCAT-based data acquisition and control solutions (24-bit, 100kHz A/D per channel)
  - Synergy multi-mode systems: recorder, scope, spectral, modal, & combustion analyzer
  - Echelon in-vehicle DAQ: I/O, CAN, GPS, & video. IP-68

**Micro Measurements**

- StrainSmart® high performance data acquisition instrument utilizing strain gages and related sensors for stress analysis testing.
Temperature

Thermocouples: general purpose, hand-held, RTD, and industrial probes. In addition to our standard products, we can also custom design and build probes to your specifications.

Environment Testing

Environmental test chambers including: temperature, humidity, thermal shock, & altitude chambers.

Flow

Flow meters: Turbine, Coriolis, magnetic, positive displacement, oval gear, & more.

- COX precision turbine flow meters for gases & liquids
- EXACT dual rotor turbines
- FLOW DYNAMICS NVLAP flow calibration services
- High precision flow meter calibration systems

OEM/Custom Sensors & Contract Manufacturing

Aerosense

Manufacturer of force sensors & other strain-gage based sensors, specializing in custom OEM applications for aircraft applications including sensors for flight controls, braking, steering, and fuel systems.

Temperature

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Wireless/Telemetry

The smallest, lightest, most power efficient, wireless measurement systems for torque, acceleration and other sensing application.

Displacement

- Point-lasers & 2D/3D line scanners (triangulation & time-of-flight technology)
- Confocal chromatic displacement measurement systems
- Hi-accuracy position, thickness, & surface measurements

Environmental Testing

Environmental test chambers including: temperature, humidity, thermal shock, & altitude chambers.

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