



# Industry leading solutions

Manufacturing and processing instrumentation

**ThermoFisher**  
SCIENTIFIC



## A partner you can count on.

Thermo Fisher Scientific is your industrial test, measurement and lab calibration provider.

Thermo Fisher Scientific is a leading provider of instrumentation and services for the industrial and global scientific markets. We offer the most up-to-date technologies from the world's leading manufacturers and supply an extensive range of test, measurement, calibration and data acquisition instruments and their associated consumables to over 350,000 customers in 150 countries worldwide. Through our broad product offering, electronic commerce capabilities, integrated global logistics network and manufacturing facilities, our goal is to ensure we are always engaging or utilising the best possible solutions to enable our customers to make the world healthier, cleaner and safer.

Our product range is supported by factory trained service engineers and a network of fully equipped service departments, many of which have a range of respected NATA accreditations. Equipment, instrument service and calibrations performed in our NATA facilities form a vital part of this offering. Our diligent application experts are able to provide customers with relevant and considered advice.







## Industries

- Oil, Gas and Petrochemical
- Food, Dairy and Beverage
- Power, Water and Environment
- Defence and Aerospace
- Manufacturing
- Mining and Construction
- Automotive and Transportation
- Research and Education

thermo scientific

**BAKER  
HUGHES**  
a GE company



**MTS**  
SENSORS

**Honeywell**  
THE POWER OF CONNECTED

**ATT**  
ANGELANTONI  
TEST TECHNOLOGIES

**SILICON  
SENSING**

**IMV**  
SECURE  
THE FUTURE

**ACEINNA**

**MICRO  
MEASUREMENTS**  
A VPG Brand

**m+p**  
INTERNATIONAL

**HEAD**acoustics®

**dataTaker**



**Paroscientific, Inc.**  
Digiquartz® Pressure Instrumentation

**Microflow Technologies**  
Charting sound fields



## Portable Calibrators and Calibration Standards

GE offers high precision laboratory and field portables to calibrate, commission and maintain today's high accuracy process instrumentation, including HART and Foundation Fieldbus devices.

- Modular pressure controllers and precision indicators
- Portable multi-function documenting process instrument calibrators
- Hand held pressure calibrators, pressure indicators and test gauges
- Wet and dry temperature baths
- Loop calibrators
- Hand pumps and pump kits
- Calibration management software from single user to enterprise



## Pressure Sensors and Transmitters

Thermo Fisher Scientific offers a diverse range of pressure sensors from global leaders like GE Druck, Paroscientific and Honeywell, catering to the needs of our customers across all sectors of industry.

- Ranges 0.1 mbar to 10,350 bar
- Millivolt, Volt, Milliamp, Frequency, Intelligent Outputs
- High Accuracy, Stability and Overload
- Compact and Rugged Construction
- Standard and Customised Designs
- IECEx Intrinsically Safe



## Depth, Level Sensors and Transmitters

With an extensive range of Depth/Level Sensors and Transmitters from leading manufacturers like Honeywell, Paroscientific, GE and MTS Sensors, Thermo Fisher Scientific can offer solutions for most applications.

- Large range of sensors for liquid level applications
- Ideal for tanks, reservoirs, rivers, streams, bores, CSG Dewatering, oceanographic installations, food and beverage, pharmaceutical, petrochemical
- Voltage, 4-20 mA, Digital Bus, Serial, HART and Frequency output versions
- Sensors with Lightning Surge Protection included
- IECEx Intrinsically Safe



## Flow

We offer a variety of accurate, maintenance-free, ultrasonic flowmeters and vortex multivariable flowmeters that can take measurements reliably over a very wide range of pipe sizes and flow conditions. Our product range includes fixed installation as well as ultrasonic portable flowmeters.

- Pipes from 13 mm to 7600 mm diameter
- Portable Clamp On and Permanent Solutions
- Clamp on and Wetted Transmitters
- Integrated Logging
- Multivariable
- IECEx Hazardous Area Approved

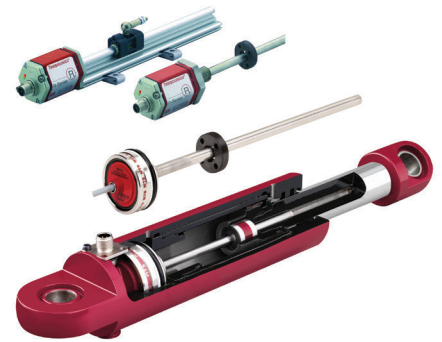




## Displacement, Velocity, Proximity and Position

MTS linear-position sensors outperform the competition, deliver accuracy and reliability under the most difficult conditions. Proximity and rotary sensors enable machine builders to improve the performance and efficiency of their machines reducing the cost of ownership.

- Integrated solutions for Hydraulics and Pneumatics applications
- Voltage, Current, Stop/Start, SSI, DeviceNet, Profibus, EtherCAT, CANbus, Redundant Analog
- Rod, Rod Cylinder, Profile and Flexible Styles
- Linear and Rotary / Rigid and Flexible
- Resolution to 0.002 mm
- Stroke to 10 m
- Velocity to 10 m/s
- IECEx Flameproof



## Temperature Sensors and Transmitters

Thermo Fisher represents industry leading technologies in temperature measurement. Honeywell's SmartLine® transmitters deliver total value across the entire plant lifecycle. Delivering total performance in harsh and noisy process environments, field and rail mounted transmitters, offer high accuracy and stability over a wide range of process and ambient temperatures.



## Acoustics and Vibration Measurement and Analysis

We partner with leading technology and instrumentation providers such as Casella, Head Acoustics, M+P and others to provide complete measurement and analysis solutions.

### Vibration

- Dynamic Signal Analysers
- Impact Testing and Modal Analysis
- Condition Monitoring
- Human Vibration Meters
- Vibration Shaker Control and Vibration Testing
- Accelerometers (General Purpose, High Temperature, Shock, MEMS, Industrial, Single and Tri-axial, etc)
- Dynamic Multi-channel Data Acquisition Hardware
- Shock Recorders and Drop Testing



### Acoustic

- Binaural Recording (Head and Torso Simulator)
- Playback Systems and Listening Studios
- Sound Quality and Acoustic Analysis
- Noise Dosimeters
- Sound Intensity and Sound Source Localisation
- Sound Level Meters and Noise Monitoring Systems
- Acoustic Testing in Telecoms



## Data Logging

dataTaker is one of the world's leading brands of general purpose and specialised data loggers and data recording equipment.

It is compatible with most sensor types, digital and analogue channels. Has Ethernet, Modbus TCP/IP and RS232 communication capabilities, and built for harsh conditions and environments.





## Load and Torque, Signal Conditioners and Amplifiers

Our extensive load and torque product line offers unmatched application and mechanical flexibility. From basic telemetry to advanced digital measurement. We also offer a complete range of conditioners as well as a variety of in-line amplifiers for use with most transducers and transmitters.

### Load and Torque

- Rotary and Reaction Torque
- Torque from 3 in-oz. (0.02 Nm) up to 1.5 M in-lb (169K Nm)
- Tension and Compression Load
- Load from 0.055 lbf (0.025 kgf) to 3,000,000 lb (1,360,000 kgf)
- Accuracies as low as  $\pm 0.05\%$ FS



### Conditioners and Amplifiers

- Single and multi-channel units - Portables and Handhelds
- In-line Amplifiers
- Power Supplies
- Transducer Simulation
- Analog and Micro-Processor Based

## Density

Density meters and easy-to-use density gauges measure density or density-related variables with highest precision at widest at widest temperature range. Increase safety and lower capital costs with easy-to-use, non-contacting density gauges that offer accurate density measurements. Online continuous meters provide key information for process monitoring and control, quality control and product interface detection.



## Environmental Test Chambers

Over 75 years of experience goes into every Angelantoni test chamber system enabling a feature rich and reliable testing solution either off the shelf or custom matched to your needs, including:

- Climatic
- Vibration Test
- Halt and Hass
- Thermal Shock Test
- Modular Walk-in
- Customised Chambers
- Thermostatic
- Vacuum
- Corrosion test
- High Temperature Ovens
- Photovoltaic Panel Test



## Process Analysers

Under the Thermo Scientific brand, Thermo Fisher manufactures a range of advanced, easy to maintain process analysers for fast and efficient analysis of liquid and gas process streams to provide enhanced control resulting in significant cost reductions and improved product quality and compliance.

- Sulfur Online Analyser
- Process Mass Spectrometer
- Density
- Fugitive Gas Emissions CO, CO<sub>2</sub>, N<sub>2</sub>O





## Strain Gauges and Stress Analysis

For purposes of experimental stress analysis, whether preproduction prototype evaluation, field-service testing, failure analysis, or pure research, we offer a full complement of sensors, instruments, equipment, and supplies necessary to obtain accurate, reliable strain data.

Request a strain gauge workshop to get a greater understanding of strain gauge application and implementation.



## Product Inspection Solutions

For food, dairy, pharmaceutical and consumer products, Thermo Scientific product inspection solutions have been helping companies protect the safety and quality of their packaged and unpackaged products. With proven performance our solutions are expertly tailored to your application. Maximize uptime with a range of service and support options.

- Metal Detectors
- Checkweighers
- X-Ray Inspection System



## Inertial Systems and Gyros

We provide end-users and systems integrators with fully-qualified MEMS-based solutions for measurement of static and dynamic motion in a wide variety of challenging environments.

- Cost-effective single-axis and three-axis MEMS accelerometers
- Single-axis and dual-axis MEMS tilt sensors
- Three-axis magnetometers
- Inertial Measurement Units (IMU), Vertical Gyros
- High End Fully Integrated GPS-aided Attitude and Heading Reference Systems



## Calibration and Service Solutions

Our purpose built calibration laboratories can offer you a total calibration solution tailored to suit your requirements. Being a National Association of Testing Authorities (NATA) accredited laboratory, you can be confident that we will calibrate your precious instrument to the highest level of accuracy and traceability.

- Process and Laboratory Instruments
- Chemical and Gas
- Heat and Temperature
- Pipette
- Metrology
- Pressure
- Electrical







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**Order Placement:**

For customer service, call 1300-735-292

To fax an order, use 1800-067-639

To email an order, [ordersau@thermofisher.com](mailto:ordersau@thermofisher.com)

**Contact Us:**

For customer service, call 1300-735-292

For service and calibration, call 1300-736-767

For enquiries, [infoindustrialau@thermofisher.com](mailto:infoindustrialau@thermofisher.com)

Find out more at [thermofisher.com.au/ip](https://thermofisher.com.au/ip)

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