

Process Controls & Instrumentation

Maximise accuracy & efficiency

ThermoFisher
SCIENTIFIC

The world leader in serving science

A partner you can count on.

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

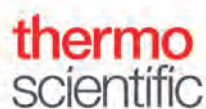
Thermo Fisher Scientific is a leading provider of instrumentation and services for the industrial and global scientific markets. We offer the most up-to-date technologies from the world's leading manufacturers and supply an extensive range of test, measurement, calibration and data acquisition instruments 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. We also recognise the need to offer flexible, economical solutions via our established equipment rental service. Our diligent application experts are able to provide customers with relevant and considered advice.



Industries

Oil, Gas & Petrochemical
Food, Beverage & Pharmaceutical
Power, Water & Environment
Defence & Aerospace
Manufacturing
Mining & Construction
Automotive & Transportation
Research & Education
Agriculture & Forestry



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



Pressure Sensors:

Thermo Fisher Scientific offer 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 & Overload
- Compact & Rugged Construction
- Standard & Customised Designs
- IECEx Intrinsically Safe



Depth & Level Sensors:

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

- Large range of sensors for liquid level applications
- Ideal for tanks, reservoirs, rivers, streams, bores, CSG Dewatering, oceanographic installations, food & beverage, pharmaceutical, petrochemical, pulp & paper, wastewater
- Voltage, 4 – 20 mA, Digital Bus, Serial, HART & 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 13mm to 7600mm diameter
- Portable Clamp On and Permanent Solutions
- Clamp on & Wetted Transmitters
- Integrated Logging
- Multivariable
- IECEx Hazardous Area Approved



Temperature:

Honeywell SmartLine temperature sensors deliver industry-leading performance, unique features and lower cost of ownership thanks to the modular design and smart connection suite. Along with high accuracy and stability over a wide range of process, ambient and differential temperatures, the SmartLine temperature sensors are the perfect choice for tough and noisy industrial environments.

- Accuracy: Std 0.1o C
- Optional Up to 0.08 Deg C digital accuracy for RTD
- 0.005% of span for analog output



Displacement, Velocity & Proximity

MTS linear-position sensors outperform the competition, deliver accuracy and reliability under the most difficult conditions, providing excellent value for our customers.

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



Acoustics & Vibration Measurement and Analysis

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

Vibration

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

Acoustic

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



Data Acquisition

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

Our data loggers are designed to be compatible with almost all types of sensors, with a strong focus on communications to make your data easily accessible.



Load & Torque

Our extensive product line offers unmatched application and mechanical flexibility. From basic load and torque telemetry to advanced digital measurement, you will find a product that suits your application.

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



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

Thermo Scientific manufacture 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
- Fugitive Gas Emissions CO, CO₂, N₂O



Strain Gauges & 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.



Product Inspection

When finding contaminants in your packaged products is critical to protecting your brand, Thermo Scientific™ Metal Detector and X-ray Systems offer high-tech, cost-effective, easy-to-use solutions. Our Checkweighers are ideal for weighing a wide range of packaged food, pharmaceutical and personal care products in dry applications.

Thermo Scientific Niton handheld X-Ray Fluorescence (XRF) analyser is designed for accurate, nondestructive elemental analysis in a wide range of applications including cement, metals, mining, petroleum, chemicals, environmental and food.



Inertial Systems & 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 & 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.

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





Thermo Fisher Scientific is the world leader in serving science, enabling our customers to make the world healthier, cleaner and safer.

Our comprehensive range includes high-end analytical and process instrumentation, laboratory and environmental monitoring equipment as well as a complete range of consumables, chemicals and reagents. With reliable quality service and prompt technical support, Thermo Fisher Scientific offers a one stop shop experience to deliver consistent customer satisfaction and unleash innovative business potentials.

In Australia and New Zealand, you can access the renowned Thermo Scientific portfolio as well as premium brands from our supplier partners through Thermo Fisher Scientific.

ThermoFisher
S C I E N T I F I C

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