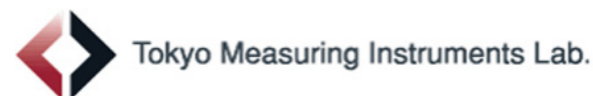


Since 1971, Techni Measure has been a leading provider of high-precision industrial measurement solutions. With over 50 years of experience, our company has established a reputation for delivering reliable, accurate and innovative metrology solutions across all sectors including aerospace, automotive, civil engineering, academic research, heavy industry, medical and biomedical technology, marine and rail transport. Representing a portfolio of leading global manufacturers we supply sensors and instrumentation at component level through to complete turn-key solutions, for development testing, quality or process control. Our extensive range of products and services are carefully selected by our team of expert Application Engineers who are committed to providing exceptional technical advice and support to meet the unique needs of every requirement.

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Auckley
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Precision Measurement Solutions for the 21st Century



VIBRATION /
ACCELERATION



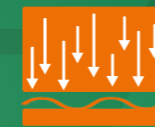
STRAIN



DISPLACEMENT



LOAD / FORCE /
TORQUE



PRESSURE
MAPPING



PRESSURE



INERTIAL /
NAVIGATION



PROFILE



TEMPERATURE /
FEEDTHROUGHS



INSTRUMENTATION



VIBRATION
TEST



CALIBRATION
SOLUTIONS



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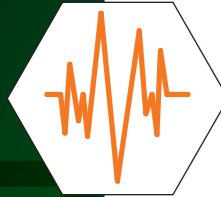


+44 (0) 3300 101490



sales@technimeasure.co.uk

VIBRATION / ACCELERATION



We supply an extensive range of single-axis and triaxial accelerometers, with sensitivities ranging from seismic models through to 70,000g and operational temperatures from cryogenic up to +870°C. Technologies include piezoelectric IEPE, charge mode, variable capacitance MEMS, 6 degree of freedom, strain gauge based, wireless models and of course a full range of mounting accessories and cables as well as portable dataloggers and complete data acquisition systems and analysis software.



DISPLACEMENT



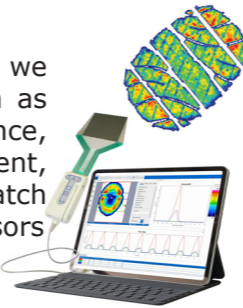
Linear or rotary displacement, gap and thickness measurement solutions with ranges from nanometers up to 3km in a very wide variety of environmental conditions. For either contact or non-contact applications our technologies include inductive, potentiometric, strain gauge based, laser triangulation, time of flight, confocal, capacitive, thin film pressure sensitive, magnetoresistive and fibre-optic. We're always on-hand to offer expert technical advice in selecting the most appropriate displacement sensor for any requirement.



PRESSURE MAPPING



To accurately measure dynamic surface or interface pressure distribution, we supply the extremely versatile iScan system with sampling rates as high as 20kHz. With many use cases including, but not limited to, gasket performance, impact force distribution, battery & fuel cell optimisation, nip roller alignment, grip force, body pressure distribution, tyre footprint and high speed tyre patch analysis, wiper blade evaluation; there is a very wide range of standard sensors with custom patterns possible. For static interface pressure distribution from 1psi to 43,500psi we supply Prescale film.



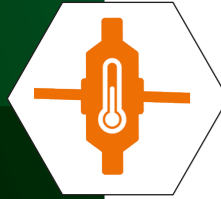
INERTIAL / NAVIGATION



From simple inclinometers and IMUs (inertial measurement units) through to full dual-GNSS aided AHRS (attitude, heading & reference system) and INS (inertial navigation system) with RTK corrections for cm level location precision, we will be able to help with the inertial sensor solution for your application. Models with analogue outputs or digital protocols with on-board extended Kalman filtering and industry leading temperature and dynamic compensation, we will be happy to discuss your application and demonstrate our inertial sensor solutions.



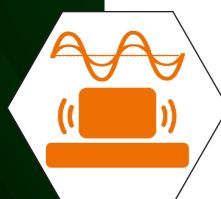
TEMPERATURE / FEEDTHROUGHS



Industrial thermocouple and RTD solutions for measuring your process temperatures up to 2,315°C with a wide range of sheath materials and termination styles to suit most harsh or EX rated environments and installations. Thermoscale film for temperature distribution measurement and ultra miniature fibre optic sensors, as well as wire-less and portable solutions for data logging. To seal your temperature probes, power or instrumentation wires into your process line or chamber from vacuum up to 80,000psi we supply compression seal fittings and feed-throughs.



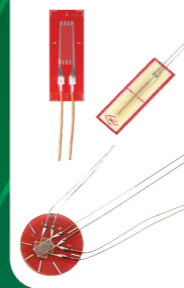
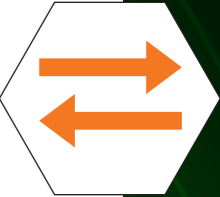
VIBRATION TEST



We supply, install and service a full range of vibration test solutions, including modal, air cooled and long stroke shakers, shaker/slip tables, inertial exciters, vibration controllers, sensors, data acquisition systems and analysis software. From modal test using impulse hammers right through to 4-post shaker rigs with field data replication we can support your requirements with system components or a full turn-key package.



STRAIN



We hold local UK stock of more than 20,000 strain gauges available for next day delivery as well as a complete range of adhesives and accessories. With gauge length from 0.2mm to 120mm, temperature compensation from 3ppm/°C for ceramics up to 70ppm/°C for plastics, temperature ranges from -269°C with weldable designs for use up to +800°C, post-yield strain measurement up to 40% and special patterns for shear strain, stress concentration, residual stress and other measurements. We offer advice on strain gauge selection and provide strain gauge installation training courses tailored to your application.

LOAD / FORCE / TORQUE



Our range of load cells and force transducers includes sensitive models with 2N capacity right through to calibrated 10MN units, with a wide selection of designs and mounting accessories. Bridge type, voltage, current and digital outputs as well as piezoelectric designs for impact or high frequency dynamic forces. We supply thin film flexible force sensors, with custom patterns for embedding into your device or mechanism. For the measurement of torque we can supply static or rotary torque transducers to build into your product or wireless torque collars for straightforward retrofit to existing shafts.

PRESSURE



We supply a complete range of pressure transducers, transmitters and switches for test or process pressure measurement with a wide variety of fittings and output options. Highly sensitive models with capacity of just 10 mbar, submersible, pore and soil pressure solutions, through to robust designs for downhole or subsea applications with capacities up to 2000 bar. Piezoelectric pressure transducers are available for the measurement of high frequency cyclic or blast pressures.

PROFILE / DIMENSIONAL



Laser micrometers, ultrasonic transducers and 2D laser scanners for dimensional inspection of geometry, profile, diameter, wall thickness and the detection of surface flaws, either in-process for measurement or control, or off-line for quality inspection. From the supply of sensors through to complete turn-key solutions we will work closely with you to ensure your dimensional metrology requirements are integrated into your process equipment and production workflow.

INSTRUMENTATION



To compliment our wide range of sensors we supply, or can recommend, a complete selection of signal conditioning instrumentation, data acquisition/logging systems and analysis software. Our range includes simple displays, lossless and synchronised wireless solutions, high channel count wired systems, portable battery powered acquisition, long term remote logging and/or cloud based solutions, condition based maintenance, process feedback/control/HMI and we will work closely with you to specify, supply, install and support the optimal system for your application.

CALIBRATION SOLUTIONS



We supply complete turn-key calibration systems for acceleration, shock, acoustic, angular rate and dynamic pressure transducers - if you are interested in bringing your sensor calibration in-house we are happy to discuss and help justify the return on investment and support your transition. We also supply a complete calibration service for a very wide range of dynamic transducers from any manufacturer, utilising our in-house laboratory or through one of our ISO17025 accredited partners.