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#### www.solartronmetrology.com



encoders and associated instrumentation.

Working alongside the UK headquarters they have sales in over 30 countries worldwide.



www.solartro

Solartron Metrology is part of the Ultra Precision Technologies division of AMETEK Inc., a leading global manufacturer of electronic instruments and electromechanical devices, AMETEK has more than 80 manufacturing facilities and over 80 sales and service

Solartron Metrology has the technology, the commitment and the



## Our markets

### Automotive

way that data is processed becomes more less reliance on manpower is critical in easurements of power and transmission featured within this field.

#### Aerospace

### Bearings

accuracy, bearings metrology is often reliably and cost effectively. extremely demanding. The right choice of sensor can improve the manufacturing efficiency, accuracy, reliability, speed of operation, service intervals and the costs

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## Process Automation

itical for each application. Solartron's many industrial processes and many of oducts are extensively used in many Solartron's sensors and electronics are

## Electronics & Mechatronics

High precision and high volume ero engines requires precision metrology manufacturing, coupled with very short and sensor robustness, these features are cycle times, are very demanding tests for undamental in Solartron's products. any position sensor. Solartron's absolute position and gauging sensors provide the speed, sub-micron accuracy and reliability Whether it is surface finish or dimensional required to produce measuring solutions





# solartron. metrology

## World leaders in linear measurement





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## Our products

In the laboratory, on the shop floor or in the field, Solartron Metrology's products provide precise linear measurements for quality control, test and measurement and machine more intricate, the accuracy of their manufacture is an

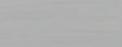
# DICE

## Digital Network

The Orbit 3 measurement system provides a fast and simple solution for building large, flexible sensors and gauging systems with a single common dynamic and synchronisation capabilities for the measurement of moving parts. In addition to Solartron's digital sensors the network allows a wide range of thir party sensors to be connected, including

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## Gauging Sensors

Solartron's extensive range of gauging • Resolution down to 0.01 µm sensors includes inductive and incremental probes, digital probes and • Traceability to NPL (National Physical probes with integrated electronics.

- Measurement ranges from 0.5 mm to 25 mm
- Accuracy to 0.1% of reading (inductive) or 0.4 µm for encoders
- life and robustness
- Traceability to NPL (National Physical

### Customised Gauging Sensors

Solartron's customised gauging sensors reliable process.

- Measurement ranges from 0.5 mm to 10 mm
- Repeatability down to <0.1 µm</li>

## Instrumentation and Electronics

To compliment Solartron's range of digital modules for the LVDT and half-bridge sensors.

## Position Measuring Sensors

displacement sensor is used within a semiconductor manufacturing process, the deformation of a structure in sea position measuring sensors guarantee

- Digital options with 5 mm to 7.6 m measurement range
- DC and 4-20 mA versions with integral asurement range
- <0.2% Linearity FRO
- lermetically sealed, submersible, P 68/67/65 versions

#### Wireless Hand Tools

bore gauge is the first in a new measurement and gauging products. offer manufacturers greater freedom

## Miniature Displacement Sensors

precision positioning\*, such as semiconductor wire bonding,

measuring or positioning applications. Solartron's miniature displacement sensors do not suffer from challenging environments.

#### OEM Custom Displacement Sensors

control over all aspects of the desig range of products, which has enabled many years' experience in providing cost effective customised solutions for OEM's and System Integrators.

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