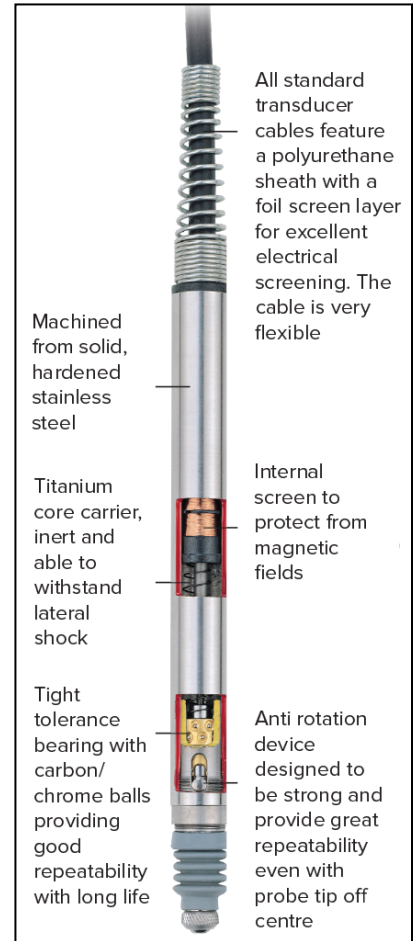
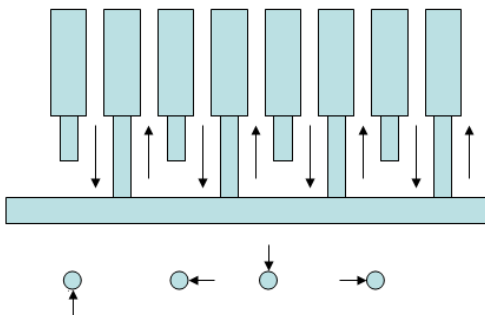


High Repeatability and High Resolution for TRUE PRECISION

- Solartron Metrology probes provide class leading measurement **repeatability better than 0.05 µm**, with **resolution better than 0.01 µm** with its Digital Contact Probes. This is a product of precise and robust design.
- Excellent probe **repeatability** is critical to provide an accurate measurement. Excellent **repeatability** stems from precisely made bearings and mechanical components.
- Solartron Metrology has complete control over all aspects of design and manufacture of its sensors.
- Probes are crafted in a UK factory, with over 30 years of design and manufacturing experience. Only the best materials, machining equipment, and Swiss bearings are used.
- Solartron lists a **repeatability specification**. Competitors with similar probes have chosen not to. *Why is that? How can you be accurate if you are not repeatable?*
- **Gauging Accuracy** better than 0.05% of Reading Accuracy, combined with excellent **repeatability** and **resolution** means measurements over small ranges can return sub-micron accuracy, down to 0.2 µm



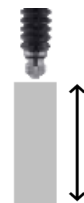
SOLARTRON REPEATABILITY TEST



Probes are actuated with a sload in each direction, this is how they are often used and still checked for repeatability. Even competitors who do specify repeatability usually do a simple lift test

COMPETITORS' REPEATABILITY TESTING

A typical competitor does not test with sload when checking repeatability.



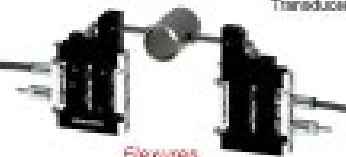
ACCURACY COMPARISON

In Gauging Applications where small amount of range is used, Solartron probes can attain sub micron accuracy. Below is a chart comparing Solartron 10mm Digital Orbit @ 3 probe, (0.06% F.S.) and a competitor's 12mm range Linear Encoder

| Reading (mm) | 0.01 | 0.1 | 0.5 | 0.75 | 1 |
|--------------------------------------|------------|------------|------------|-------------|------------|
| Solartron Probe Accuracy (µm) | 0.2 | 0.2 | 0.2 | 0.45 | 0.6 |
| Encoder Accuracy (µm) | 1 | 1 | 1 | 1 | 1 |

Orbit® – The Total Measurement System from Solartron Metrology

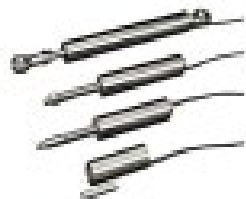
The Solartron Orbit® Digital Measurement System, provides a limitless set of measuring system solutions, with numerous different interfaces to computers and PLC's.



Flexures



Block Gauges

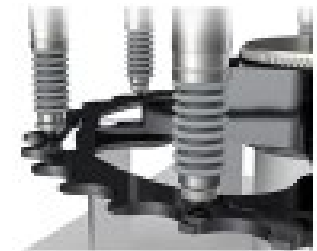


Displacement



Multi Channel Wireless Gauge

Q-Type (With signal conditioning mounted at the end)



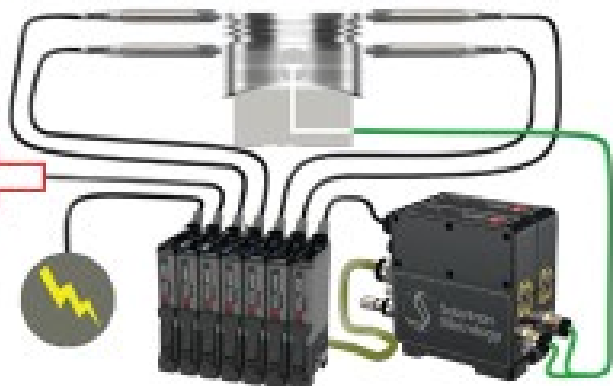
Gauging Flatness of a Bicycle Gear



Bore Gauging



Orbit GCS Software



Measurement of Piston with Air Gauging checking ID, and connected to Orbit with the Air Gauge Module. OD Checked with Digital Probes.