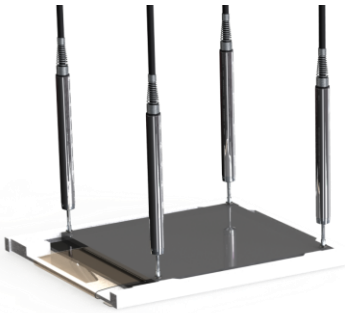
Metrology Solutions for GLASS

Solartron Metrology, a world leader in Precise Linear Measurement, provides multiple solutions for the gauging of Glass for Automotive, Electronics, and other industries.

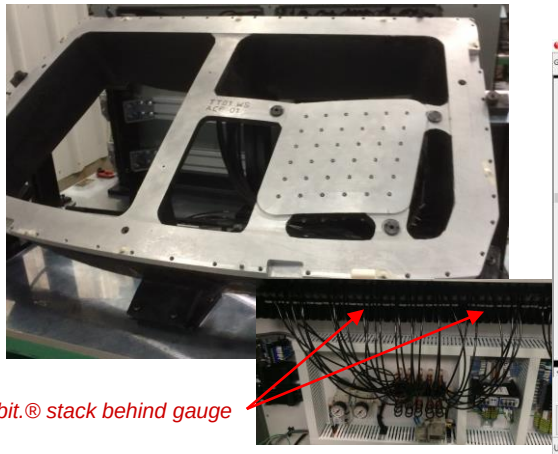
- **Light Touch**: Solartron's Feather Touch Probes have a 0.18 N to 0.3N of tip force, and are available with nylon or ruby tips.
  - Easy, precise measurements and data allocation
  - As low as 1 micron accuracy. 0.01 micron resolution and 0.15 micron repeatability.
  - 2 mm to 30mm Measurement Range
  - High Accuracy, Resolution and Repeatability
- **Ultra Light Touch**: Solartron's Ultra Feather Touch Probes provide just 0.03 to 0.05N of tip force, with nylon, ruby, and flat tips available.
  - 10mm measurement range
  - Excellent resolution and repeatability.
- **Quick Readings**: Gauging with Solartron means multiple, quick reliable measurements of any free form shape using a custom gauge. All readings can instantaneously be output to a PC or PLC.
- **Lower costs:** The quick cycle times and repeatable measurements means cost savings in labor as well as higher quality standards
- **Robust Network:** Up to 250 Sensors - Contact, Non Contact, and 3rd party - can easily be connected via the Solartron Orbit® Network
  - Calibrated Digital Sensors
  - Output to PC via USB, or PLC via Ethernet/IP®, Profinet®, EtherCAT®, Modbus TCP/IP, or Modbus (serial). CC Link® also available
  - Output Data to Excel Sheets or any SPC software
  - Solartron software packs also available
- **Durable:** Solartron probes are tested to millions of cycles, and will last for years if cared for properly.

Ultra Feather Touch probes checking a glass form

Feather Touch probes are often used to check Automotive Glass



High resolution means precise glass flatness measurements



Orbit.® stack behind gauge

With Orbit®, a customer can check up to 250 points on a glass sheet, and then output to any software platform using Orbit® Software Drivers.

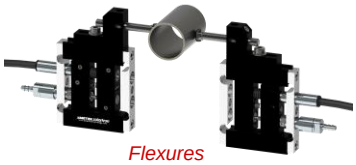
Screen of Orbit Gauge Software 4.0, which can network dozens of sensors, and then output data in several different formats.

orbit®
DIGITAL MEASURING NETWORK

Solartron Metrology
AMETEK

Orbit® – The Total Measurement System from Solartron Metrology

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



Flexures

Block Gauges

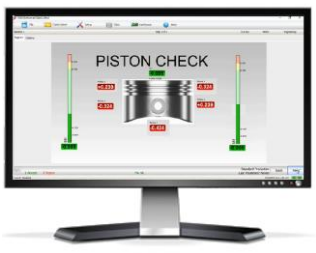
Displacement

Multi Channel Wireless Gauge

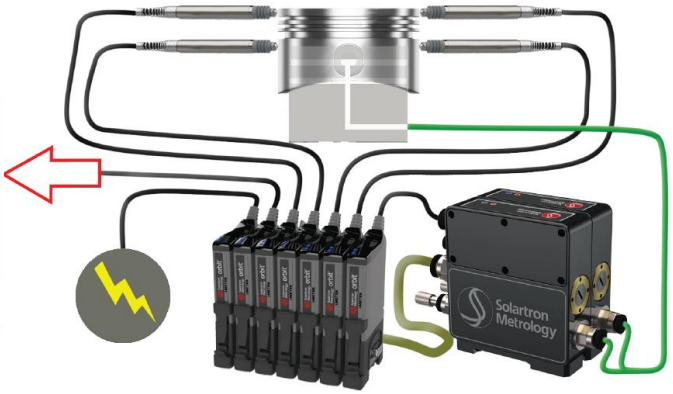
G-Type (With signal conditioning mounted at the end)

Bore Gauging

Orbit LT Lasers and Digital probes gauging a Battery Cell



Orbit Gauge Software 4.0



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