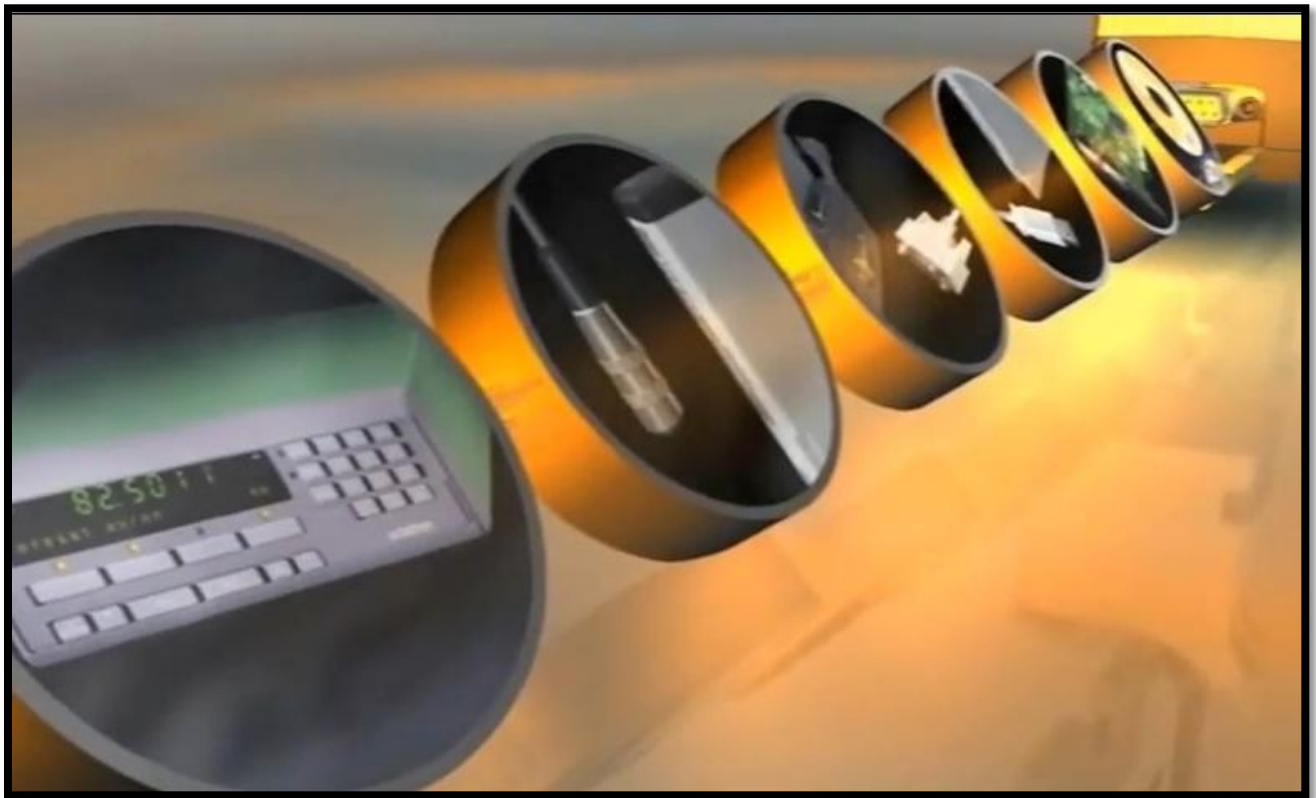


Application Story

Automotive

Pinion gear measurements using the Orbit® 3 Network



Precision. Quality. Reliability

www.solartronmetrology.com • sales.solartronmetrology@ametek.com

The Product

The SI7500 is a multi-axis metrology display that connects to the Solartron Orbit® 3 Network and accepts up to 16 Orbit® module inputs, such as Digital Probes, Linear Encoders and Analogue Input modules.

The SI7500 also reports dynamic Min/Max measurements, provides SPC analysis from an integrated database and offers connectivity to PCs and other peripherals.



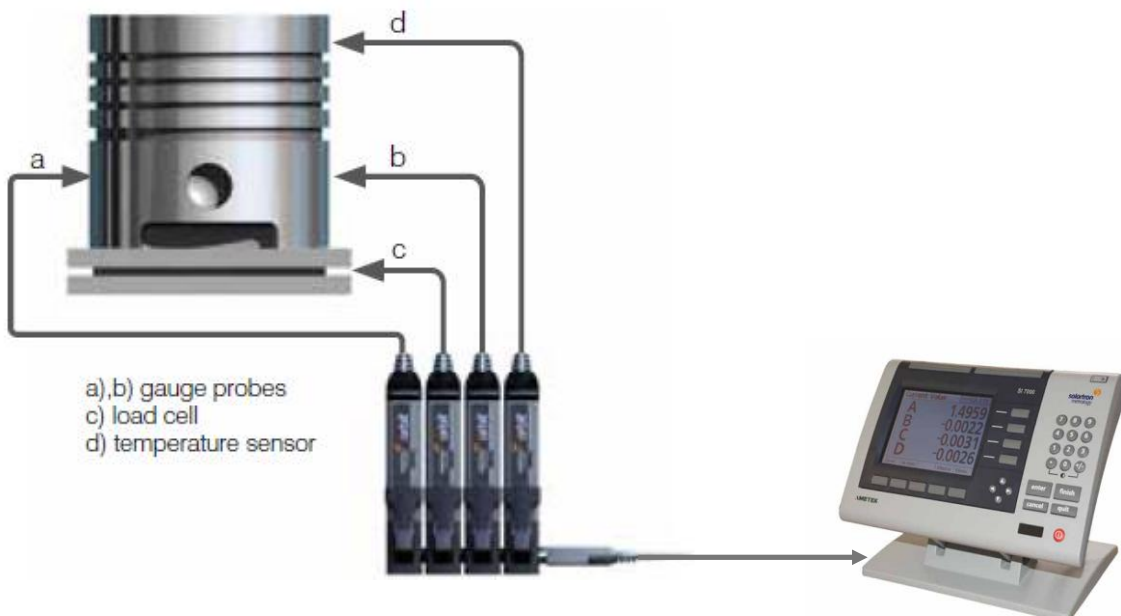
Display type:	6" colour LCD
No. Of Orbit® modules:	16
Resolution:	0.0001 mm
Frequency:	43 to 63 Hz

The Challenge

Although manufacturers of these products are highly experienced in the gauging marketplace, the ability to provide a solution enabling the end user to gain information regarding the pass or fail of a particular component is vital in understanding the acceptance of a product. Using a selection of probes, dimensions of products such as a pinion gear can be taken. However issues arose when trying to consolidate data and provide an accurate overall reading.

The Solution

Using Solartron Metrology's Orbit® 3 Network and the SI7500 LCD Orbit® 3 Display and Controller, all the probes can be connected to one central point, linked to desired outputs. This allows the end user to have one complete solution with which to interconnect all sensors and carry out equations to determine the pass or fail of a product.



United Kingdom - Head Office

Solartron Metrology
Steyning Way
Bognor Regis
West Sussex
PO22 9ST
Tel: +44 (0) 1243 833333
Fax: +44 (0) 1243 833322
Sales.solartronmetrology@ametek.com

France

Solartron Metrology
Rond-point de l'Espine des Champs
Buroplus - Bat. D
Elancourt 78990
Tel: +33 (0)1 30 68 89 50
Fax: +33 (0)1 30 68 89 59
france.solartronmetrology@ametek.com

Germany

Ametek GmbH
Solartron Metrology Division
Rudolf-Diesel-Strasse 16
40670 Meerbusch
Tel: +49 (0) 2159 9136 500
Fax: +49 (0) 2159 9136 505
vertrieb.solartron@ametek.de

India

Ametek Instruments India Private Limited
1st Floor, Left Wing
Prestige Featherlite Tech Park
Plot #148, EPIP II Phase
Whitefield, Bengaluru 560 066
Karnataka, India
Tel: +91 80 6782 3200
Fax: +91 80 6782 3232

USA

Solartron Metrology
USA Central Sales Office
915 N. New Hope Road, Suite C
Gastonia, NC 28054
Tel: +1 800 873 5838
Fax: +1 704 868 8466
usasales.solartronmetrology@ametek.com

China

AMETEK Commercial Enterprise (Shanghai) Co. Ltd
No. 155 Puhui Road
Ju Ting Economic Development Zone
Shanghai 200131
Tel: +86 21 5763 2509
Fax: +86 21 5866 0969 Ext. 261/262
china.solartronmetrology@ametek.com



Solartron Metrology

Precision Driven

Offices worldwide
Agent and distributor details
available at
www.solartronmetrology.com



Q09540

Solartron pursues a policy of continuous development. Specifications in this document may therefore be changed without notice.

Datasheet 52624
Issue 61
EDCR20423

AMETEK®
ULTRA PRECISION TECHNOLOGIES

Precision. Quality. Reliability

www.solartronmetrology.com • sales.solartronmetrology@ametek.com