



Non-Contact Laser Triangulation Sensor

Description

Solartron Metrology, the world leader in linear measurement innovation, is now adding a non-contact laser to its lineup! Like our standard touch probes, you have a precise, reliable reading that is quick and easy to set up, with multiple outputs available into a PC or PLC.

The laser gauge can be connected with other Solartron probes and 3rd party sensors using the Orbit@3 Digital Measurement System. If a stand-alone or two channel solution is preferred, it can be connected to an SI100, SI200, or other Orbit@ ACS system. Connections into Solartron digital readouts, such as the SI5500 is available as well.



Features

- Compact Laser Triangulation unit
- 10mm measurement range with 45mm offset
- Teachable settings for different surfaces
- 0.1% F.S. Accuracy
- 2 μ m repeatability, 1 μ m resolution

Widest range of available outputs: Modbus, RS232 or RS485 Serial, USB, Ethernet TCP, Discrete NPN, PNP & Logic

Laser Beam Control – the laser beam can be switched off, allowing multiple lasers to measure points very close together where the beams could interfere. In the beam off mode the laser head is still powered allowing readings to be taken quickly after turning the beam on. Beam control is via the Orbit@3 interface or via the Orbit@ ACS using either the Menu or Modbus commands.

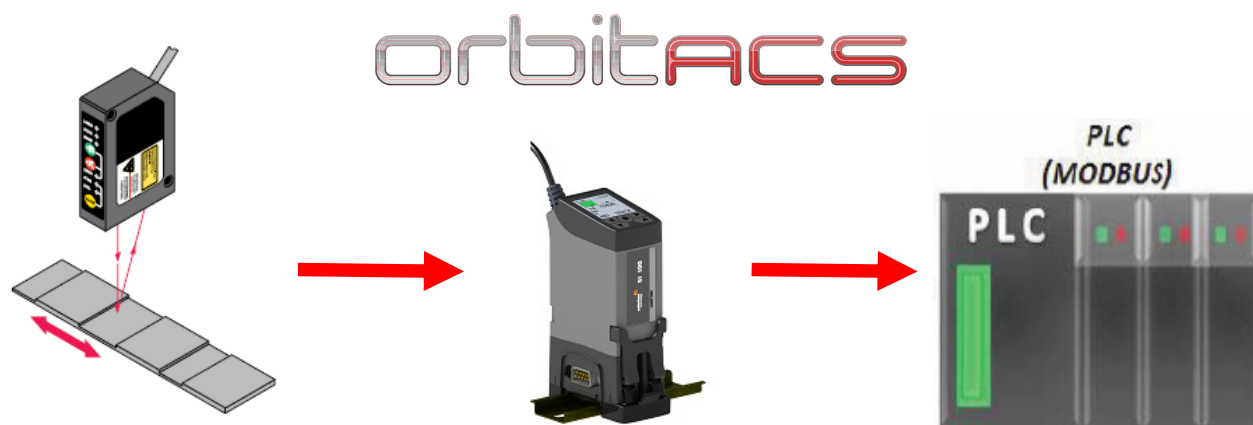


Precision. Quality. Reliability

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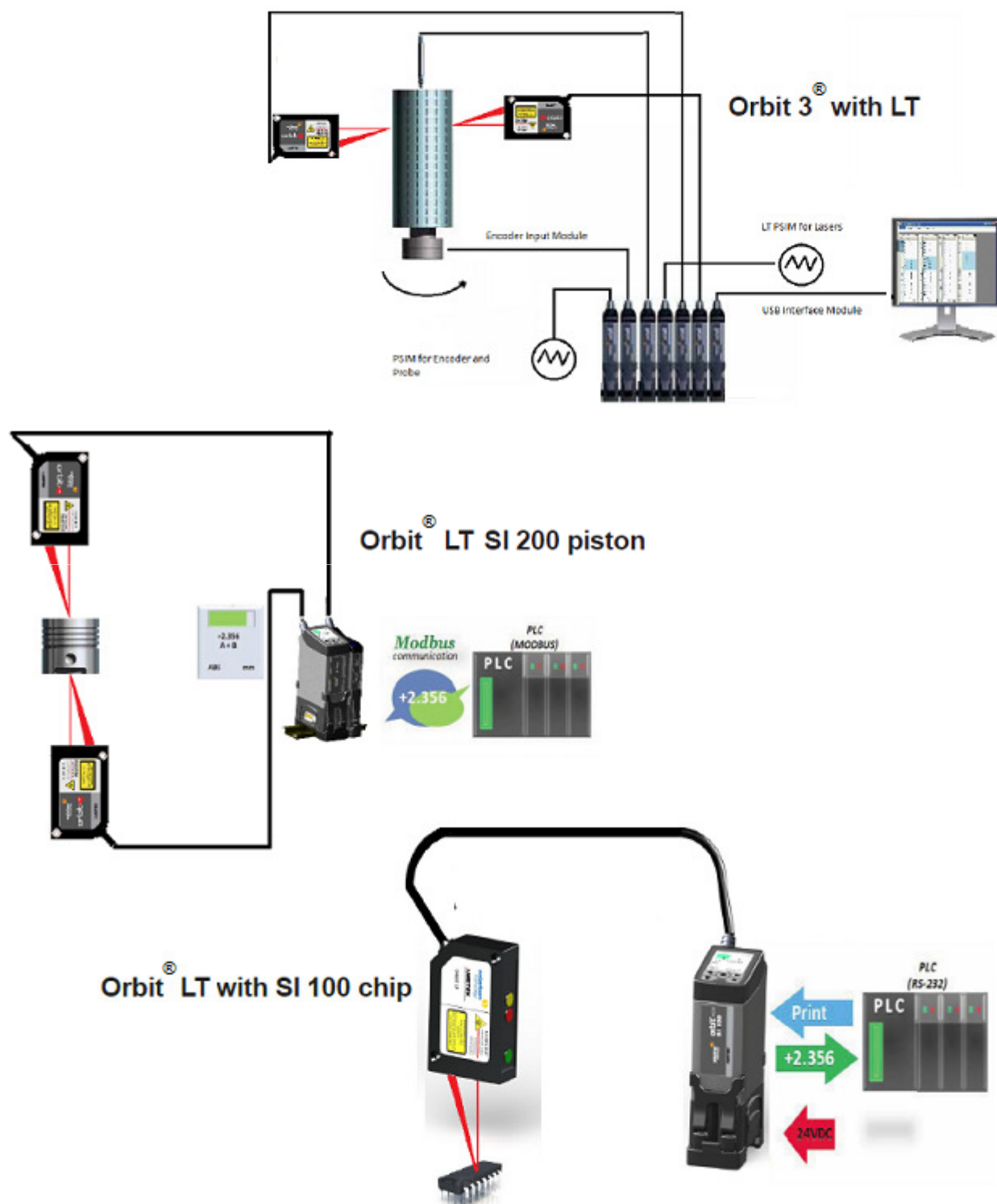
Network Orbit[®] LT with other gauging probes or sensors via the Orbit[®] 3 network.



Easily connect Orbit[®] LT to PLC via SI 100, SI 200, or SI 400 interface module.

For full Orbit[®] and Orbit[®] ACS system specifications, please refer to their respective datasheets. A unit with a 0-10 VDC output is also available. Please contact your Solartron representative or distributor for details.

Orbit® LT Applications

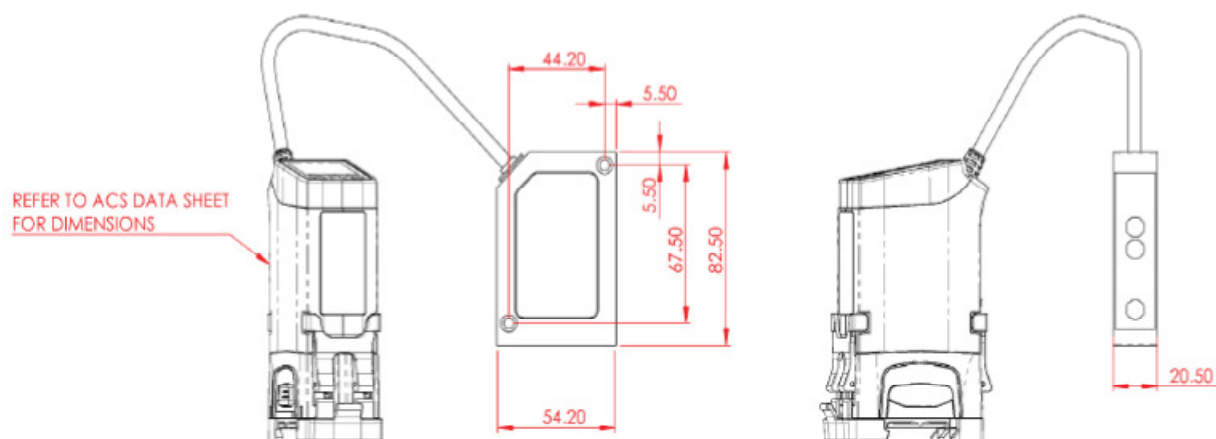




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DIMENSIONAL DRAWING

(SOLARTRON PURSUES A POLICY OF CONTINUOUS DEVELOPMENT. SPECIFICATIONS IN THIS DOCUMENT MAY THEREFORE BE CHANGED WITHOUT NOTICE. DIMENSIONS ARE NOMINAL AND SPECIFIED IN MILLIMETRES)



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

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