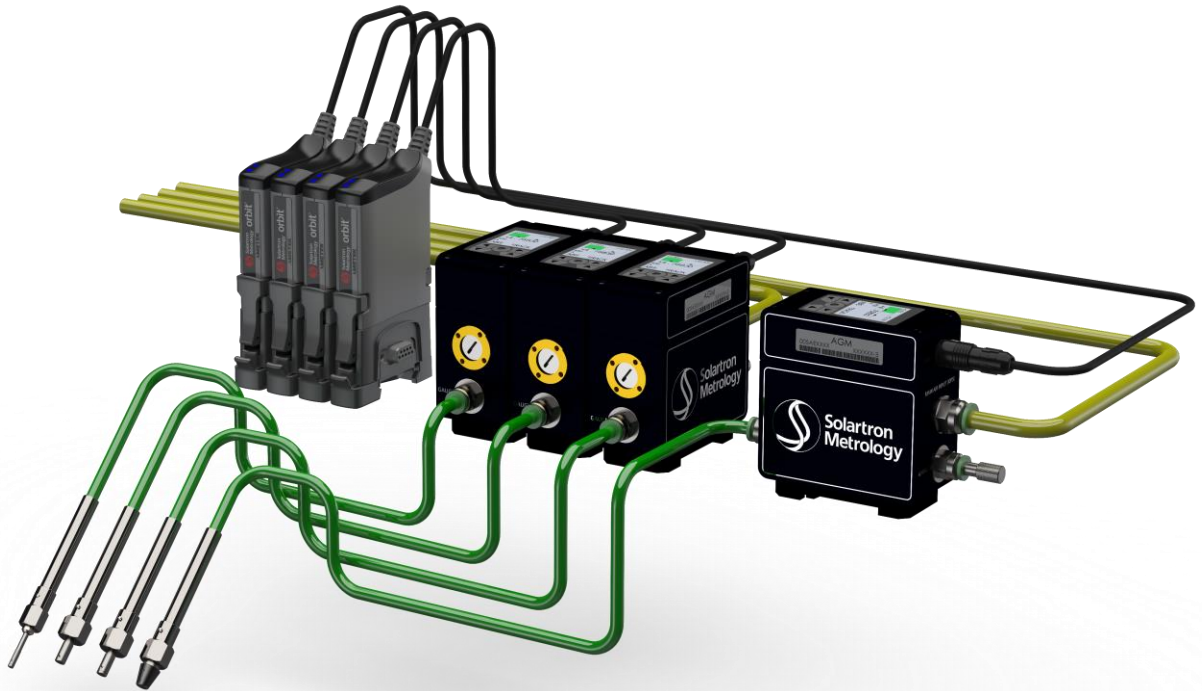


Orbit® Air Gauge Interface Module (AGM)



Description

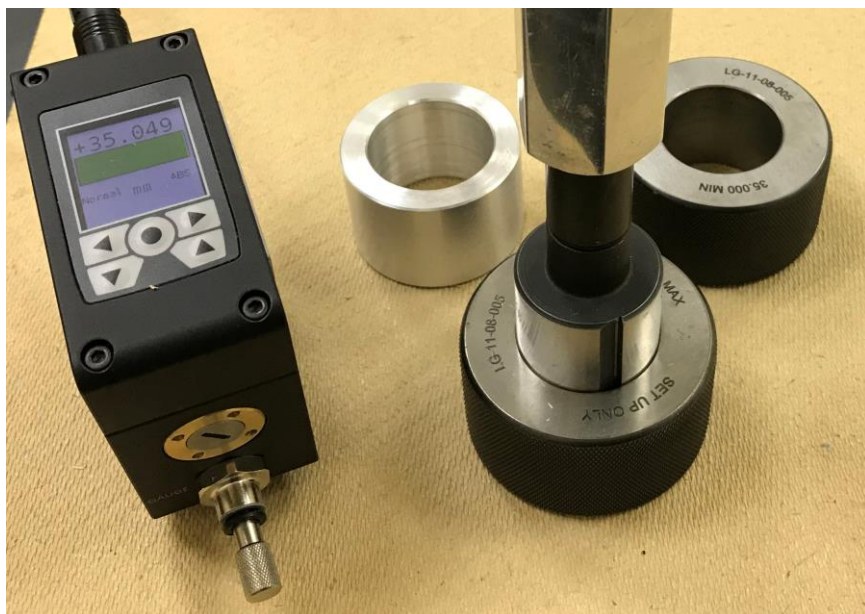
Solartron Metrology's Orbit Air Gauge Interface Module (AGM) makes connecting air gauge Measurement Probes to Orbit simple, allowing the user to mix air gauges with all of our contact and non contact sensors to fully utilize the full performance of the Orbit Digital Measurement Network. Key features are:

- Very high stability
- Resolution < 0.5 μm
- Pressure range 0 to 30 psi
- Easy Setup and **Mastering** using PC or onboard display

Technical Specifications

Products	AGM/30
Specifications	
Range (Note 1)	Typical up to 50 μ m
Repeatability (Note 1)	Typical < 1 μ m
Resolution (μ m) (Note 1)	< 0.5 μ m
Input Pressure Range (psi)	0 to 30
Features	
Mastering	Min Max
Integrated colour display	Used for set up and display of measurement
Units	mm , inches or mil
Interfaces	
Orbit3 Electronics	Fully compatible with ALL Solartron Orbit Controllers and Measurement Modes
Air Gauge Interface	Single Channel operating at 30 psi
Environmental	
Sealing	IP65 (excludes air connections)
Operating and Storage Temperature °C	0 to 60
EMC Emissions	EN61000-6-3
EMC Susceptibility	EN61000-6-2
Mechanical	
Mounting	Din Mount
Materials	Aluminium / Steel / ABS
Note 1: Actual performance depends on Air Gauge Head	

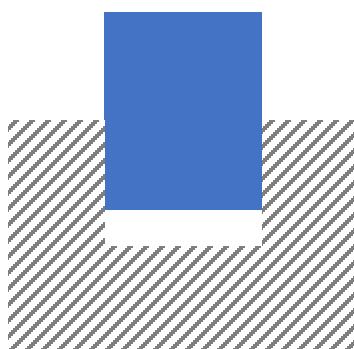
Applications



Bore
Measurement

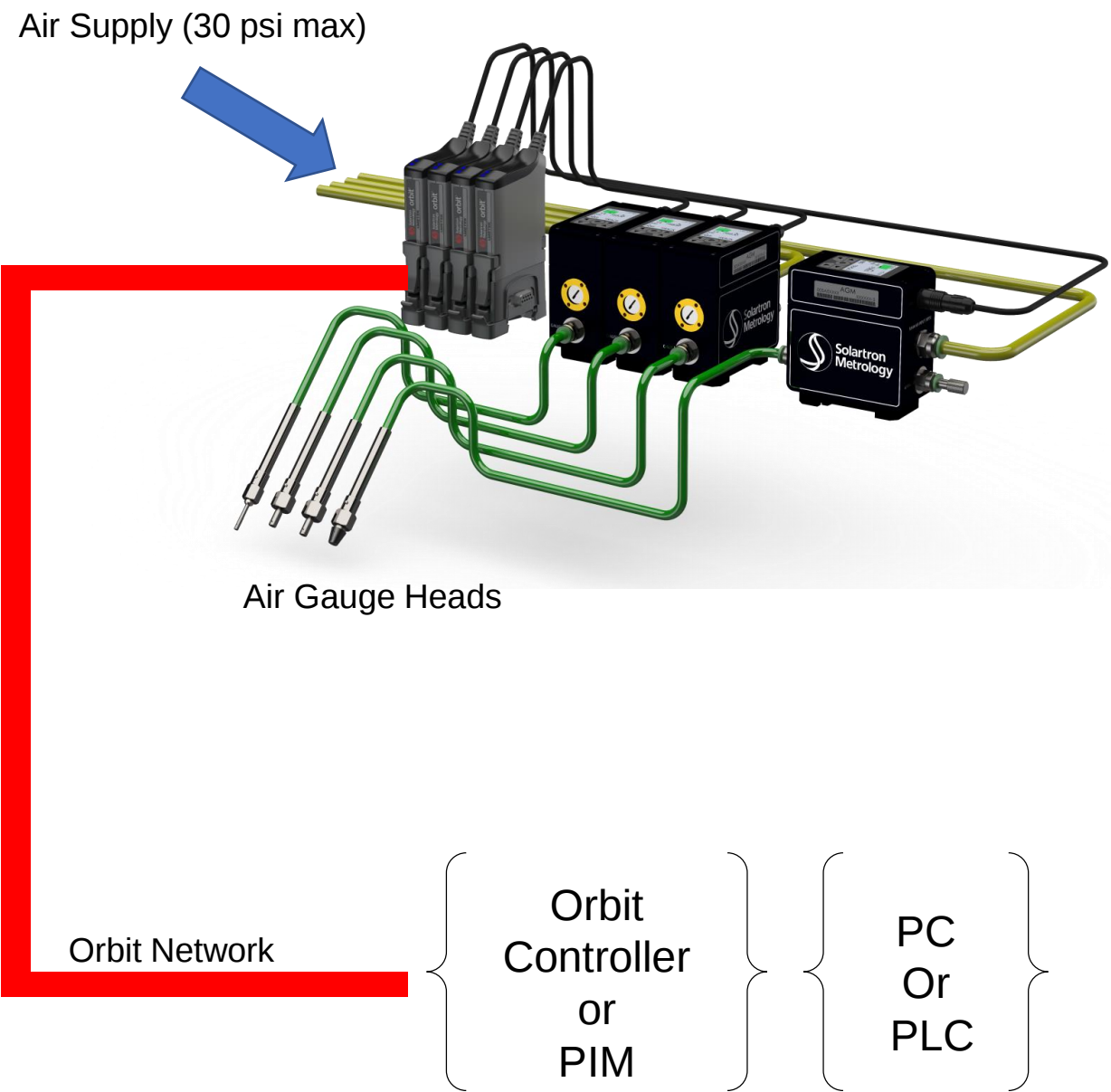


OD Check



ID Check

Connectivity



Safety

The AGM and associated Air Gauging heads use compressed air and are for industrial use only by competent personnel. The air supply must be dry and filtered to prevent ingress of contamination into the AGM. Ensure that you comply with the relevant regulations for use of compressed air for the location where the AGM is installed.

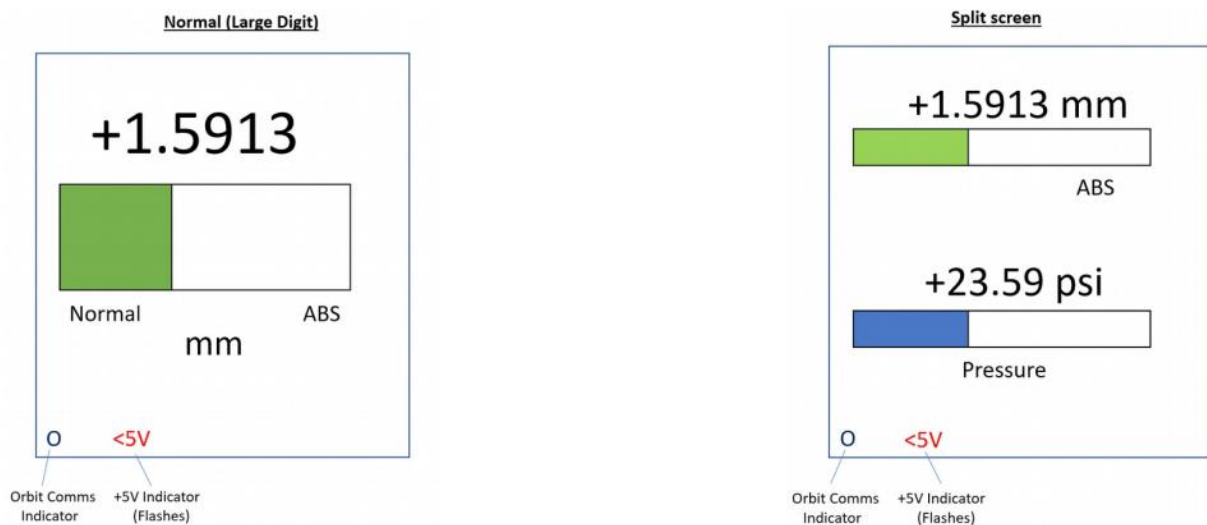
Use and Mastering

The AGM can be configured and Min Max Mastered in 2 ways:

- Locally, using On Screen Display
- Via the Air Gauge Mastering Utility (which is installed as part of the Orbit suite of programs).

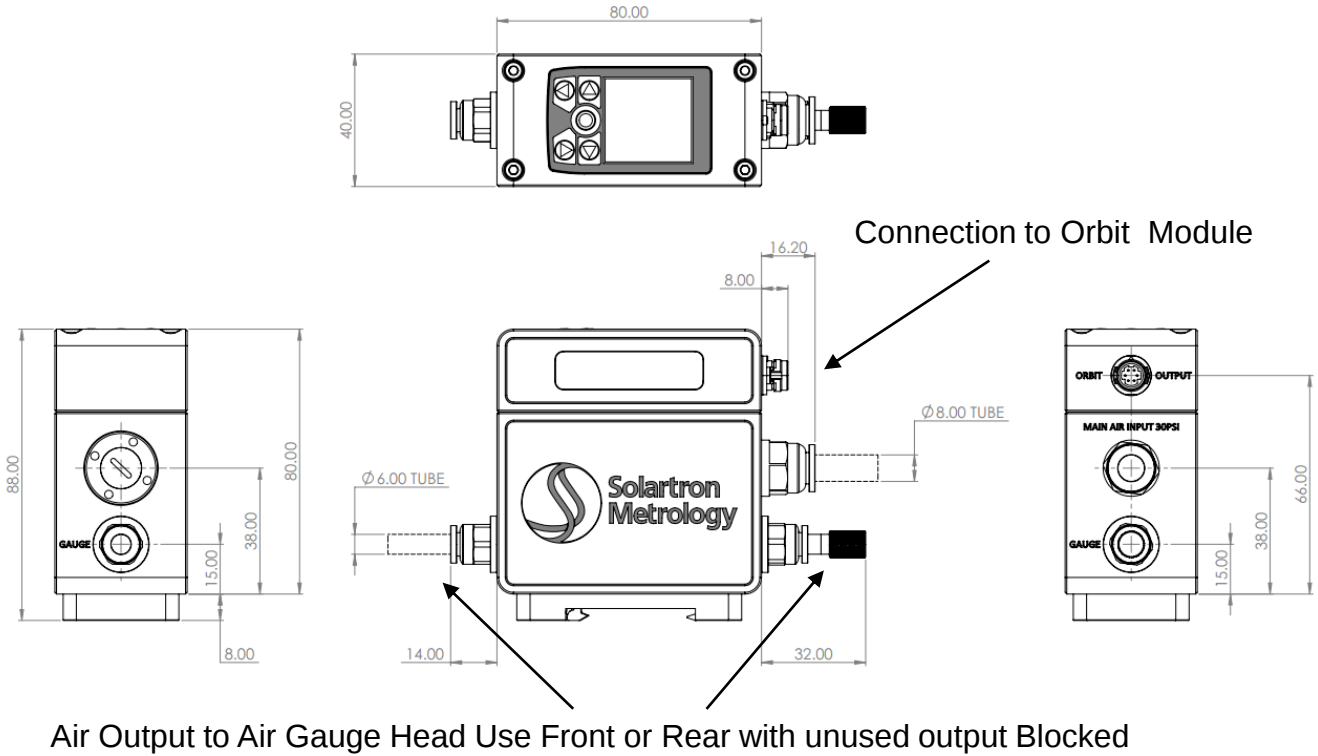
On Screen Display

The AGM has its own on-screen colour display, complete with keypad and five control buttons. This enables readings, and a simple menu to be displayed



See Orbit3 Module Manual 502914 for more details

Dimensions



Air Output to Air Gauge Head Use Front or Rear with unused output Blocked



The AGM is supplied connected to a PIE Module (as shown) for easy integration to the Solartron Orbit Digital Measurement Network. For dimensions of the PIE Module see Orbit catalogue.

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Solartron have 30+ distributors worldwide, see
website www.solartronmetrology.com for your
nearest distributor

Precision Driven...

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 control. Solartron Metrology is a world leader in the innovation, design and manufacture of precision digital and analogue dimensional LVDT gauging probes, displacement sensors, optical linear encoders and associated instrumentation.



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