



Orion Liquid Level Measurement Solutions

Orion gauges and FCX Performance take on the toughest measurement challenges in the harshest conditions

Orion magnetic level indicators are precision engineered and manufactured to indicate liquid level accurately, reliably and continuously. These units are totally sealed chambers that require no periodic maintenance; and they eliminate vapor or liquid emission problems common with sight and gage glasses.

To compliment these products, Orion produces a complete range of level switches and transmitters including the Eclipse® Guided Wave Radar transmitter.

FEATURES

- Countless chamber styles (or configurations) for each design
- Complete range of level switches and level transmitters, including Eclipse Guided Wave Radar
- Fabricated, non-magnetic chamber assembly produced in a wide range of metal and plastic materials
- ANSI and DIN process connections
- Precision manufactured float with internal magnets and magnetic flux ring
- Flag or shuttle type indicator with optional stainless steel scale to measure height, volume or percentage of level

APPLICATIONS

- | | |
|------------------------|------------------------|
| • Feedwater heaters | • Blowdown flash tanks |
| • Industrial boilers | • Hot wells |
| • Oil water separators | • Vacuum tower bottoms |
| • Flash drums | • Alkylolation units |
| • Surge tanks | • Boiler drums |
| • Gas chillers | • Propane vessels |
| • Deaerators | • Storage tanks |



AURORA®

- Patented design combines Guided Wave Radar and MLI technology into a truly redundant system.
- Application-proven Eclipse Guided Wave Radar Technology.
- Aurora's chamber houses both the probe for Magnetrol's Eclipse Guided Wave Radar transmitter and the float. The instrument transmits level data accurately and reliably.
- Baffle plate design provides flawless guide for float.
- Ideal for low specific gravity applications and low-dielectric media.



ATLAS™

- For the most demanding pressure/temperature liquid level applications. Ideal replacement for sight and gauge glass instruments.
- Wide range of materials available includes 304/304L SS, 316/316L SS, Iconel®, Hastelloy®, Alloy 20, PVC, CPVC, Kynar® and many others.
- Broad range of pressure classes, process connections, styles and sizes. Top and bottom float stop springs are standard.
- Options include flag-type or shuttle indicator, switches and transmitters, blankets, steam or electric heat tracing and frost extensions.



JUPITER®

- A Jupiter transmitter utilizes market-tested, application-proven, magnetostrictive technology.
- Reliable technology senses liquid level, interface level, or both.
- Jupiter mounts to the side of the MLI gauge or directly into the secondary chamber or process vessel.
- Provides a 4-20 mA process signal proportional to level.
- Hart® communications protocol is standard-FOUNDATION field-bus™ is an available option.
- Transmitter on externally mounted versions may be top or bottom mounted.

