

Tough Applications Require High Standards

ABLE UNDERSTANDS HOW IMPORTANT ACCURATE AND RELIABLE LEVEL MEASUREMENT IS IN CHEMICAL PROCESSING

When your instrumentation is not equipped to handle the job, overfills, reduced productivity and increased maintenance can result. As with our radar, ultrasonic, thermal dispersion, magnetic level indicators and other

technologies, the Eclipse 700 comes with the service and technical support you need to take your plant's level instrumentation to the next level.



INNOVATION

We have been solving tough application challenges in the chemical processing, petrochemical and oil & gas industries for decades. Our partners, Magnetrol, released the first loop-powered guided wave radar (GWR) transmitter for industrial liquid level applications and have been innovating within that technology ever since. Building on that innovation, the Eclipse® Model 700 is designed with chemical processing applications in mind. It has the features you need at the price point you want, all with the same accuracy and reliability of the high-performance Eclipse Model 706.

WHAT YOU WILL FIND ONLY IN MAGNETROL'S HIGH-PERFORMANCE GWR:



True Level Measurement

Delivers the market's most accurate level detection across the entire length of the probe



Proactive Diagnostics

Improves troubleshooting and detects issues like buildup before they become problems



High Signal-to-Noise Ratio (SNR)

Provides reliable measurements and accommodates the toughest applications



Overfill Protection

Virtually eliminates top-of-probe dead zones to provide full visibility to the vessel

Registered Address

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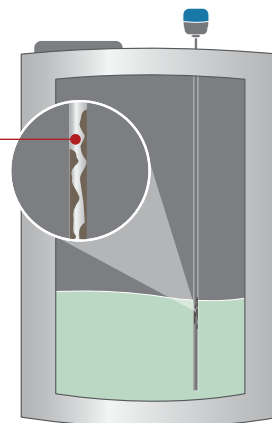
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SOLVING YOUR TOUGHEST APPLICATION CHALLENGES

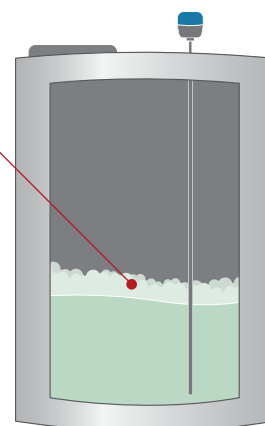
CORROSION

While probes constructed of specialized metal alloys like Hastelloy® or Monel® can withstand corrosive liquids, ABLE offers the less expensive option of choosing GWR probes coated with PFA (Teflon™).



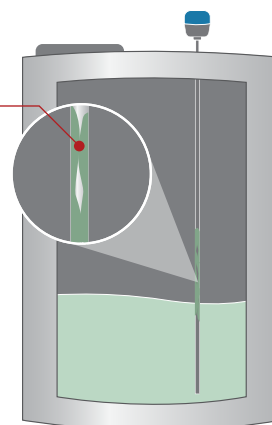
FOAMING

Despite causing difficulties for many common technologies, the potential impact of foam is often ignored when choosing a level technology. Eclipse GWR transmitters have the highest SNR in the market, making it easier to measure and detect liquid levels through the foam or the actual foam layer itself.



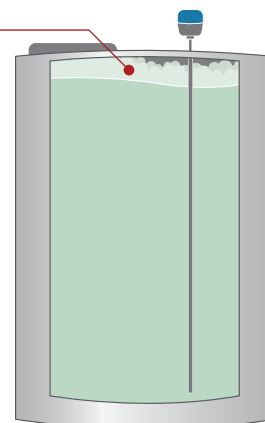
COATING AND BUILDUP

In addition to optional PFA-coated probes, Eclipse GWR transmitters have proactive diagnostics able to scan for buildup, so you know when to schedule cleaning and maintenance.



OVERFILLS AND FOAM-OVERS

Where 'normal' operating level is not well defined or accurately measured, it is often easier to lower tank volume and sacrifice full tank capacity, rather than to trust level instrumentation to prevent overfills or foam-overs. While many instruments use algorithms to 'infer' levels near the top of the probe, Eclipse GWR transmitters measure true product all the way to the process connection.



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ECLIPSE MODEL 700

GWR DESIGNED WITH CHEMICAL PROCESSING IN MIND

The same accuracy and reliability as the industry-leading Eclipse 706 with streamlined features and a price point to match.



ECLIPSE MODEL 706

PROVEN GWR ACCURACY, EVEN IN HARSH APPLICATIONS

A loop-powered transmitter that offers best-in-class SNR and a full probe offering to take on the most difficult applications.

Flagship transmitter that can take on applications from simple to severe

The original dual compartment enclosure is angled to maximize ease of wiring, configuration and viewing of the graphic LCD display

Suitable for use in critical Safety Integrity Level (SIL) 2/3 Certified safety loops

Quick connect/disconnect interchangeable probe coupling

Industry's most comprehensive probe offering, including high-temperature/high-pressure and steam-service, and available in a variety of materials and probe designs



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RELIABILITY FOR ANY APPLICATION

OUR CORE CHEMICAL PROCESSING PORTFOLIO

Our range of technologies and commitment to quality have made Magnetrol's high-performing level, flow and volume instrumentation the standard in process control.

NON-CONTACT RADAR



PULSAR® MODEL R86/R96

Non-contact radar transmitters with enhanced performance and diagnostics for the toughest measurements. Various frequencies available to cover the majority of applications.



PULSAR MODEL R82

A compact, economical radar transmitter ideal for light industrial applications involving water-based and hydrocarbon liquids and slurries.

ULTRASONIC TRANSMITTERS



ECHOTEL® MODEL 355

An integral mount transmitter for simple level, volume or open channel flow measurement in applications with minimal vapors, foam and agitation.

ULTRASONIC SWITCHES



ECHOTEL MODEL 961/962

Single and dual-point level switches with advanced diagnostics, self-tests, time delay and optional plastic probes for superior performance.

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RELIABILITY FOR ANY APPLICATION

OUR CORE CHEMICAL PROCESSING PORTFOLIO (CONTINUED)

THERMAL DISPERSION FLOW METERS & SWITCHES



THERMATEL® MODEL TD1/TD2/TA2

TD1/TD2 are reliable level/flow/interface switches for liquids and gases while the TA2 is a full-featured yet economical thermal mass flow meter.

MAGNETIC LEVEL INDICATORS



ATLAS™ /AURORA® MLI

Atlas is a versatile, high-performance MLI especially suitable for difficult process conditions while the Aurora provides redundancy with the addition of a GWR transmitter within a single chamber.

MAGNETOSTRICTIVE TRANSMITTERS



JUPITER® MODEL JM4

Loop-powered liquid level transmitter available as direct insertion or as an external mounted transmitter onto an MLI. This high accuracy device can be designed for liquid level and/or interface measurement.

From the foundation of the company in 1985, ABLE's vision has been to provide the optimum solution to measure the primary process variable, whether using an "out of the box" instrument or a bespoke designed system. ABLE has been meeting level application challenges head-on for decades.

ABLE's customers know that they can rely on comprehensive engineering and support capability throughout the solution providing process and over the lifetime of the equipment.

Our portfolio of level instrumentation has been tested in the harshest industries under the most extreme conditions, which means that our solutions for chemical processing come with unmatched application expertise and technical service support,

For more information, please contact ABLE Instruments on +44 (0)118 9311188 or by email: info@able.co.uk

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