

A Higher Level of Performance

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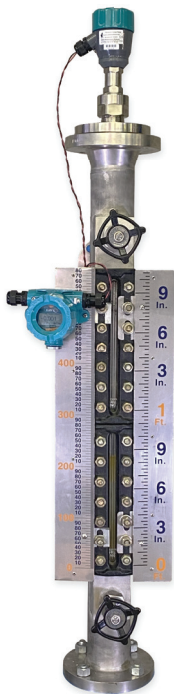


## Data Sheet

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### ACURAGE™ with GWR

Auto Calibrating Unique Radar Gauge for True Level Reading  
& Instant Spot Smart Calibration of Process Applications



For more information, please visit >  
[www.hawkmeasurement.com](http://www.hawkmeasurement.com)

# Overview

ACURAGE with GWR

## Principle of Operation

The patented ACURAGE™ is the INDUSTRY'S FIRST auto calibrating unique radar gauge for true level reading and instant spot smart calibration. Proudly made in the USA, this unique, level measuring instrument displays the level of process fluids in real-time via display and/or built-in sight glass tube. It can be used to calibrate electronic gauges, such as Radar Transmitter, without going through complex procedures. This unique patented technology uses a combination of mechanical and electrical components, allowing end users to determine real-time true level indications of process liquids with the added advantage of safety ball checks.



Bliss America, the leading level and skids manufacturer, and Hawk Measurement (HAWK), the world leader in level and Guided Wave Radar, have teamed up to bring to the industry the most innovative single chamber measuring device on the market, the ACURAGE™.

## Primary Areas of Application

- Oil & Gas
- Chemicals
- Petrochemicals
- Blowdown Tanks
- Boiler Drums
- Condensation Tanks
- Deaerators
- Feedwater Heaters
- Gas Chillers
- Industrial Boilers
- Oil-Water Separators
- Propane Vessels
- Storage Tanks
- Surge Tanks



## Features

- Spot calibration of radar transmitter
- Real-time true level of process liquid
- Color of process liquid can be watched by operator
- Interface visibility
- True redundancy
- Inevitable in critical level monitoring applications
- Flashing, foaming, and cryogenic application
- No fear of magnetic ferrous particles interfering with operation, unlike magnetic level gauges.
- Changes in specific gravity of process liquid do not pose a problem
- Full function in power failure modes
- Steam application (ASME sec-1)
- Guided Wave Radar Level Transmitter
- LED Display Level Readout
- Fixed isolation valves with safety ball checks

# Communication & Certification

ACURAGE with GWR

## Communication Protocols

The ACURAGE uses various communication protocols, including HART®, PROFIBUS PA, and FOUNDATION™ fieldbus. The radar on the ACURAGE can be configured to detect level, interface or temperature and can transmit a 4-20 mA signal.



## Diagnostics

PACTware™ is a user interface for devices, systems and communication. We use PACTware™ to view the position of the level or interface, check or change configuration of parameters used and review data such as output percentage, quality, etc.

## Certifications

The radar transmitter mounted on the ACURAGE meets international standards and has both national and international approvals, including but not limited to: FM; CSA; ATEX; INMETRO and IECEx



**BLISS AMERICAS PATENTED LEVEL SOLUTIONS ACURAGE™ IS COMBINED WITH HAWK'S QUALITY MEASUREMENT AND MONITORING SOLUTIONS TO PROVIDE THE BEST MEASUREMENT INSTRUMENTATION AVAILABLE ON THE MARKET.**

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