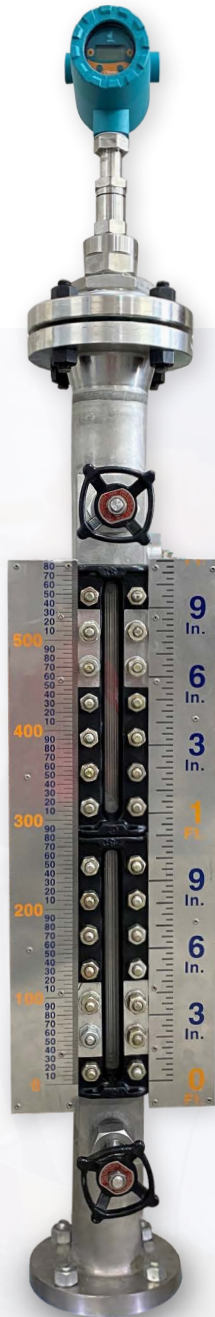


BLISS EUROPE



Acurage™ with GWR

Auto Calibrating Unique Radar Gauge
for True Level Reading

*Instant Spot Smart Calibration
of Process Applications*

THE
SPiRiT
TO WALK AN EXTRA
MiLE



Overview

The patented ACURAGE™ is the INDUSTRY'S FIRST auto calibrating unique radar gauge for true level reading and instant spot smart calibration. 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 Europe, the leading level and skids manufacturer, is delighted to introduce to the industry the most innovative single chamber measuring device on the market, the ACURAGE™.



Patented Level Solutions

FEATURES	Radar + Bridle	MLG + Radar	ACURAGE™
Field calibration	✗	✗	✓
Real-time True Level	✗	?	✓
Color of liquid	✗	✗	✓
Interface visibility	✗	✗	✓
Field Servicable	✗	✗	✓
Ultra low SG (< 0.3)	✓	✗	✓
Change in SG does not affect true reading	?	✗	✓
Magnetic particle traps are not required	✓	✗	✓
Full function in power failure mode	✗	✓	✓

Key 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
- Guided Wave Radar Level Transmitter
- LED Display Level Readout
- Fixed isolation valves with safety ball checks

Communication & Certification

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



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

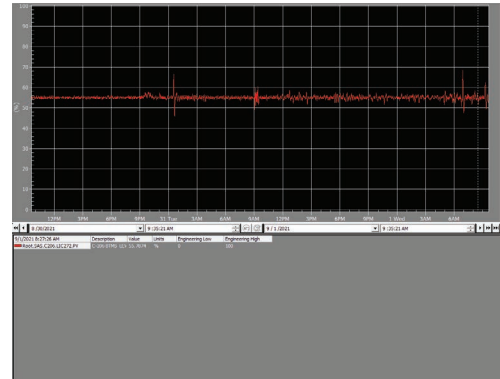


Customer Testimonial



The Acurage is running without a flaw. Startup went smoothly. This instrument is well made and looks great in the unit. The guided wave radar is far more reliable than pressure differential and the Acurage takes the same amount of space! We have another application that could benefit from the Acurage. I attached recent photos with insulation and conduit.

Process Engineer
Industry : Petrochemical, Houston Texas



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