ACURAGE™
Auto Calibrating Unique Radar Gauge - Process Application
(U.S. Patent)
The ACURAGE is a unique, level-measuring instrument combining Radar Transmitters and an inbuilt sight glass, made to solve difficult applications encountered by process engineers. It can be used to calibrate electronic gauges, such as Radar Transmitters, without going through complex procedures.

### Advantages:

- Spot Calibration of Radar Transmitter
- Real-time True Level of Process Liquid
- Color of Process Liquid can be watched by Operator
- Interface Visibility (Transparent type only)
- True Redundancy
- Inevitable in critical level monitoring applications
- Flashing Application
- Foaming Application
- 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, unlike in Magnetic Level Gauges, showing errors in level
- Full Function in Power Failure Modes
- Steam Application (ASME sec-1) - Port Type
- Illuminator - LED Type / Conventional - Optional

### Radar Options
- Contact Radar (Guided Wave)
- Non Contact Radar

### Patented Level Solutions:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Radar + Bridle</th>
<th>MLG + Radar</th>
<th>ACURAGE™</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Calibration</td>
<td>X</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Real-time True Level</td>
<td>X</td>
<td>?</td>
<td>✓</td>
</tr>
<tr>
<td>Color of liquid</td>
<td>X</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Interface visibility</td>
<td>X</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Field Servicable</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Ultra low SG (&lt; 0.3)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Change in SG does not affect true reading</td>
<td>?</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Magnetic particle traps are not required</td>
<td>✓</td>
<td>X</td>
<td>✓</td>
</tr>
<tr>
<td>Full function in power failure mode</td>
<td>X</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

### Protocols
Bliss Anand America's 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.

### Applications:
- Blowdown Tanks
- Boiler Drums
- Condensation Tanks
- Deaerators
- Feedwater Heaters
- Gas Chillers
- Industrial Boilers
- Oil-Water Separators
- Propane Vessels
- Storage Tanks
- Surge Tanks