True Echo™ Guided Wave Radar Level Transmitter
Series: GWR200

The True Echo™ GWR200 takes the mystery and frustration out of level measurement. With programmable 4-20 mA or RS-485 Modbus outputs, and innovative signal analysis, the True Echo™ can accurately measure solids, liquids, and slurries at depths up to 80 feet. NEMA 6 housing is standard, and 316 SS or PFTE-coated 316 SS probes operate in process temperatures from -40° to 398° F. Robust and reliable, the True Echo™ makes difficult level measurements easy.

FEATURES
• Auto Calibration to any dielectric
• Easy setup with True Echo™ Software
• Range up to 10 feet with SS rod, 80 feet with cable
• Not affected by foam, vapors, or dust
True Echo™ Specifications

**Performance**
- Measurement Range: 1.25’ to 80’ with minimum dielectric constant of 0.3
- Accuracy: +/- 0.039” or 0.02% of measured distance (whichever is larger)
- Response Time: 100 samples/second

**Connectivity**
- Output: 4-20 mA, Isolated 4-20 mA
  - RS-485 Modbus

**Environmental**
- Maximum Operating Temp:
  - Electronics: -40º to 158ºF (-40 to 70ºC)
  - Process/Probe: -40º to 398ºF (-40 to 203ºC)
- Maximum Operating Pressure: -14.50 PSI to 580 PS
- Enclosure:
  - NEMA 6: Coated Epoxy Aluminum with IP67 Sealing

**Electrical**
- Loop Resistance:
  - 750 ohms with 24 VDC loop supply
  - 250 ohms with 24 VDC internal supply
- Input Voltage: 12-30 VDC
- Power Consumption: <3W @ 24 VDC

**Programming**
- Programmable using APG True Echo™ software and True Echo™ Communication Tool

**Physical**
- Probe
  - Rod: 316 SS, 0.25” diameter
  - PFTE-coated 316 SS, 0.395” diameter
  - Cable: 316 SS, 0.195” diameter
  - PFTE-coated 316 SS, 0.34” diameter
- Max Tensile Load
  - 4,270 lbs
# Model Configuration Options

Model Number: GWR200 - ____ - ____ - ____ - ____ - ____ - ____ - ____

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<td>B. Probe Type</td>
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<td>316 SS Rod (120&quot; max)</td>
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<td>PTFE Coated Wire Cable (960&quot;/80 ft max)</td>
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<td>One 1/2&quot; NPT, One Cable Gland</td>
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<td>F. Probe Length</td>
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<td>Probe Length in Inches (15&quot; to 120&quot; or 960&quot;/80 ft)</td>
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