

**MXGWR**

Dual 4-20 mA

# INTERFACE MEASUREMENT GUIDED WAVE RADAR

**Measured Success™**

Designed for the  
Upstream Oil & Gas  
Industry to handle  
challenging applications

PVC Covered  
Flexible Probes  
Standard

Local Operator  
Interface Display  
Standard

Modbus Communication



17461 Village Green Drive Houston, TX 77040

[info@microwave-precision.com](mailto:info@microwave-precision.com) | [www.microwave-precision.com](http://www.microwave-precision.com)

# GUIDED WAVE RADAR

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### LEVEL AND INTERFACE MEASUREMENT IN LIQUIDS

**Measuring principle:** The guided wave radar level transmitter is a solid and liquid level measuring instrument commonly used in the industry. It transmits electromagnetic pulses along with the steel wire cable or tube/rod to propagate at the speed of light; when these encounter the surface of medium to be measured, the pulses will be partly reflected to form an echo wave and returned to the pulse transmission device along the same path, and the height of liquid level can be calculated.

The guided wave radar level transmitter uses advanced echo wave processing technology with a wide range of product applications that is capable of measuring the low dielectric constant of solids level, liquid level and interface levels.

#### MXGWR is ideal for level

**and interface applications:** Not effected by density changes. Maintenance-free and no risk of clogging as no moving parts. Fast to set-up without the need of a wet calibration.

Safe due to its gastight design. Save back ground noise function, eliminates false echoes.

### APPLICATION SPECIFICATIONS:

**Dual 4-20 mA for Level and Interface output**

**Eliminates traditional mechanical issues resulting in greater reliability**

**Safety risks are minimized due to architecture and design**

**Lowest total cost of ownership due to reduced installation time, maintenance, downtime and spare part inventories.**

#### PVC COVERED SS316L PROBE

PROCESS CONNECTION	Starting 3/4" thread, flange or process connections for High H2S applications.
TEMPERATURE	-40 to +230 °C (-40 to +446 °F)
PRESSURE	-1 to +100 bar (-14.5 to +1450 psi)
MAXIMUM MEASURING RANGE	Flexible rope 45 m (148 ft)
ACCURACY	±2 mm (±0.08 in)

#### INTERNATIONAL EXPLOSION PROTECTION CERTIFICATES

#### EN10204-3

LINEARITY PROTOCOL	3-point, 5-point
HAZARDOUS AREA APPROVALS	ATEX, IECEx, CCSAUS, NEPSI



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