



## Magnetrol International Releases Model R82 - The First Pulse Burst Radar Level Transmitter

### DESCRIPTION

Pulse burst radar is a superior measurement technology with an ability to operate effectively in a wide variety of process conditions. Radar technology has been too expensive to use as a replacement for ultrasonic transmitters in simple, daily applications....until now.

The Model R82 radar transmitter is the first low-cost, loop-powered radar transmitter that is the answer to almost every level measurement application imaginable.

Daily applications that have been considered for ultrasonic can now use RADAR technology with its superior performance. The Model R82 electronics are housed in a compact, single compartment cast aluminum or Lexan® housing. The R82 measures effectively even when atmospheres above the liquid are saturated with vapor.

### APPLICATIONS

**MEDIA:** Liquids and slurries; hydrocarbons to water based media (dielectric 1.7-100)

**VESSELS:** Most process or storage vessels up to rated temperature and pressure. Pits and sumps, metallic and non-metallic tanks, others including plastic, glass-lined and concrete.

**CONDITIONS:** Virtually all level measurement and control applications including process conditions exhibiting varying specific gravity and dielectric, visible vapors, high fill/empty rates and some turbulence.

**MARKETS:** All process markets including replacement of loop-powered, ultrasonic transmitters



### FEATURES

- 26 GHz frequency
- 24 VDC, loop-power supply voltage
- Fully encapsulated horn of polypropylene or Tefzel® provides accurate measurement (even in corrosive environments)
- Lexan or cast aluminum housing
- Measuring range to 40 feet
- Internal launcher adjustment allows beam orientation without removing the unit from the vessel
- HART® communications and PACTware™ capabilities
- Menu-driven 4-push-button, 2-line x 16 character display local user interface
- 20-point strapping table for volume or flow measurement
- Antenna extensions of 2" and 8"
- 2" NPT or BSP; Tri-Clamp® and Varivent® connections
- Process
 

Temperature:	-40° to +200° F
Pressure:	Vacuum to 200 psig
Dielectric	1.7-100

