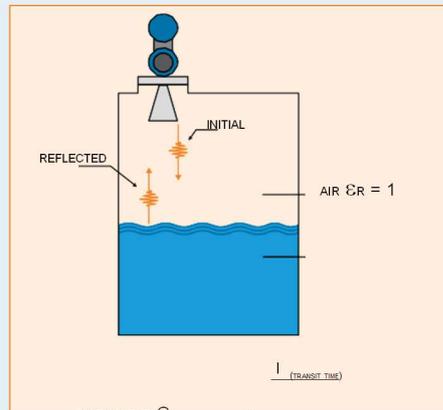


PULSAR® R86 Pulse burst radar level transmitter



Pulse Burst Radar emits short bursts of energy to a liquid surface. Ultra-high-speed timing circuitry measures the time of the signal reflected off the liquid surface.

Sophisticated signal processing filters out false reflections and other background noises. The exact level is then calculated, by factoring in tank height and other configuration information. The circuitry is extremely energy efficient so no duty cycling is needed as with other radar devices. This allows the device to track high rates of level changes up to 4,5 m/minute (180"/min).



PULSAR® R86 Pulse burst radar level transmitter

DESCRIPTION

Pulsar® Model R86 Radar transmitter is the latest generation of an advanced loop-powered 4–20 mA level transmitter with proactive diagnostics provides accurate measurement even in shifting dielectric and varying media.

FEATURES

- 26 GHz frequency offers smaller beam angle and improved resolution.
- 2-wire loop powered intrinsically safe level transmitter.
- 360° rotatable housing can be dismantled without depressurising the vessel via “Quick connect/disconnect” antenna coupling.
- 4-button user interface and graphical LCD display provide enhanced depth of data, indicating on-screen waveforms and troubleshooting tips.
- Wide range of HTHP antennas, with extensions.
- Coated Isolation antennas for corrosive applications (future).
- False target setup is simple, intuitive and effective.
- Unique commissioning and optimization wizards.
- Proactive diagnostics.
- Full vacuum to 160 bar (2320 psi) -70 °C to +400 °C (-100 °F to +750 °F).
- Measuring range up to 40 m (130 Feet).
- Suited for SIL 1 and SIL 2 loops (full FMEDA report available).
- Can be programmed to automatically capture waveform data by time or by event occurrence.
- Potted electronics.

APPLICATIONS

Liquids and slurries, hydrocarbons to water-based media, high temperature/high pressure process or storage vessels.

AGENCY APPROVALS

	Ex d	Ex ia	Ex n	Ex t	XP	IS	NI	Other
ATEX	•	•	•					
CSA					•	•	•	
FM					•	•	•	
IEC	•	•	•					
SIL	SIL 2 (1001)							
Other approvals are available, consult factory for more details								

