



LEVEL



Technology Solutions

Radar Level Transmitter

Tek-Wave 4300C



1 FEATURES

- Non-contact radar without wear and pollution.
- Hardly affected by corrosion, foam and changes in water vapor including temperature and pressure in the atmosphere.
- Influence is minimal during serious dust environment.
- Shorter wavelength.
- Better reflection when inclined solid surface.
- Small Beam angle (18°) and energy concentrated.
- Enhance the echo ability and avoid interference.

3 APPLICATIONS

- Water and wastewater industry
- Food industry
- Steel Industry
- Boiler Control
- Chemical industry

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2 SPECIFICATION

Accuracy	±3mm
Measuring Range	90ft (30m)
Microwave Frequency	26GHz
Maximum Pressure	Max. 580psi (4Mpa)
Process Pressure	-14.50 to 580psi (0.1 to 4Mpa)
Operating Temperature	-40 to 212°F (-40 to 100°C)
Process Temperature	40 to 482°F (-40 to 250°C)
Medium Temperature	-40 to 300°F (-40 to 150°C)
Shock Resistance	Mechanical vibration 32.80ft/s ² (10m/s ²), 10 to 150 Hz
Process Connection	NPT or Flange
Electrical Connection	½" NPT (Two)
Terminal Block	18 to 22 AWG Wire
Protection Class	IP67
Output Signal	4 to 20mA with HART®, Optional Modbus RS485
Fault Signal	current output unchanged; 20.5ma; 22mA; 3.9mA
Integration time	0 to 50s adjustable
Power Supply	16 to 26VDC
Power Consumption	Max 22.5mA/1w
Permissive Ripple	- <100Hz U _{ss} <IV - (100 to 100K) Hz U _{ss} <10mV
Blind Area	Antenna end
Response Time	About 1 second (depending on parameter setting)
Display	LCD
Display Resolution	1mm
Approval	CE
Beam Angle	18°