



LEVEL



Technology Solutions

FMCW Bluetooth Radar Level Transmitter

Tek-Wave 4300B



1 FEATURES

- Bluetooth® commissioning.
- Maintenance-free.
- Isolated emitting and receiving signals enable full range measurement without dead zone.
- Unaffected by the build-up of condensation near the sensor.
- Real-time self-monitoring
- Alert when an abnormality is present.
- Stores echo automatically.
- Easy to install and operate.
- Resist outdoor conditions.
- Eliminates water ingress.
- Suitable for harsh environments.

3 APPLICATIONS

- Water treatment.
- Pumping stations.
- Rain overflow basins.
- Storage tanks.
- Wastewater treatment.
- Utility networks.

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2 SPECIFICATION

Accuracy	±2mm
Measuring Range	45ft
Repeatability	±1mm
Frequency	76 to 81GHz
Resolution	1mm
Response Time	<2S
Process Temperature	-40°F to 176°F (-40°C to 80°C)
Process Pressure	-14.5 to 40psi (-1 to 3bar)
Beam Angle	8°
Process Connection	1-1/2" Male NPT
Electrical Connection	3/4" Male NPT with 15' lead wire
Body Material	PVDF
Digital Output	Bluetooth, HART, Modbus RS-485
Power	<0.5W (Power supply required 24VDC with minimum 25mA)
Analog Output	4-20mA (2-wire)
Enclosure & Ratings	IP68
Approvals	CE