

Radar Level Meter

KWLRFW Series

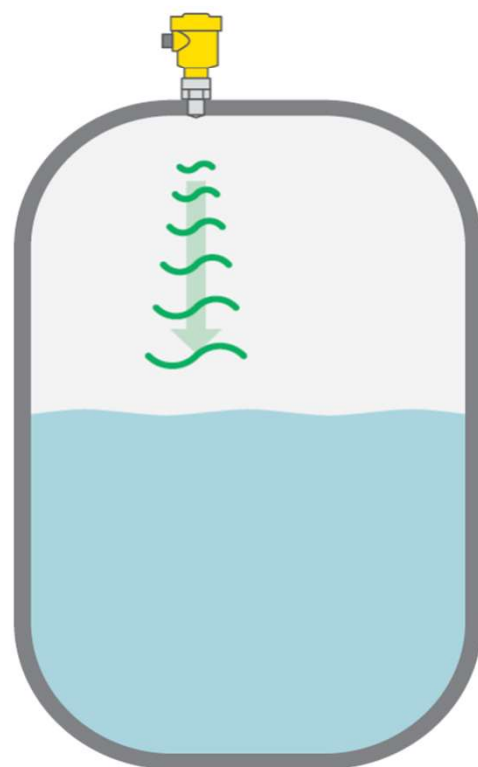
The Ketwells, KWLRFW Series Radar Level Meter. The 80G FM high frequency radar has important applications in remote target detection, strong smoke and dust environments, long-distance imaging, multispectral imaging, etc. It can detect smaller targets than microwave radar and achieve more accurate positioning, with higher resolution and stronger confidentiality.

The radar level meter has no harm to the human body and the environment, and has the advantages of not being affected by the specific gravity of the medium, not being affected by the change of the dielectric constant, and not requiring on-site calibration.



Feature

- Millimeter-wave radar, with a measurement accuracy of up to $\pm 1\text{mm}$, and a minimum blind area of 0.1m .
- The smaller antenna size satisfies the measurement of more working conditions.
- With stronger penetrability, it can be used normally even if there is adhesion and condensation.
- The dynamic signal range is larger, and the measurement of low dielectric constant medium is more stable.
- A variety of measurement modes, the radar reaction time in the fast measurement mode is less than 1S .



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Technical Data

Frequency Range	76GHz... 81GHz
Measuring Range	0.1... 120m
Measurement Accuracy	±1mm
Beam Angle	3°, 8°
Power Supply	18... 28VDC (< 1W), 220VAC
Output / Communication	4... 20mA/HART or RS485/ MODBUS
Fault Output	3.6mA, 22mA, Hold
Operation / Programming	128x64 dot matrix display, Four Buttons / Configurable host computer setting software
Housing Material	Aluminum Alloy or Stainless Steel are Optional
Antenna Type	Lens antenna, can be equipped with lens antenna shield / anti-corrosion antenna / antenna heat sink / quartz isolation flange
Process Connection	G1.5 / G2 / G3.5
Ambient Temperature / Humidity	-40°C... 100°C / ≤95%RH
Process Pressure	-0.1... 1.6mpa
Protection	IP68
Cable Entry	M20*1.5 / NPT1/2"
Installation Method	Threads
Intrinsically Safe & Flameproof	Ex db ia I C T6 Gb Ex tbIICT80°C Db

Model Selection

Series	KWLRFW				
Measuring Range		1	30m		
		2	85m		
		3	120m		
Communication		1	4... 20mA/HART		
		2	RS485/MODBUS		
Connection		G1	G1.5		
		G2	G2		
		G3	G3.5		
Power Supply		DC	24 VDC		
		AC	220 VAC		