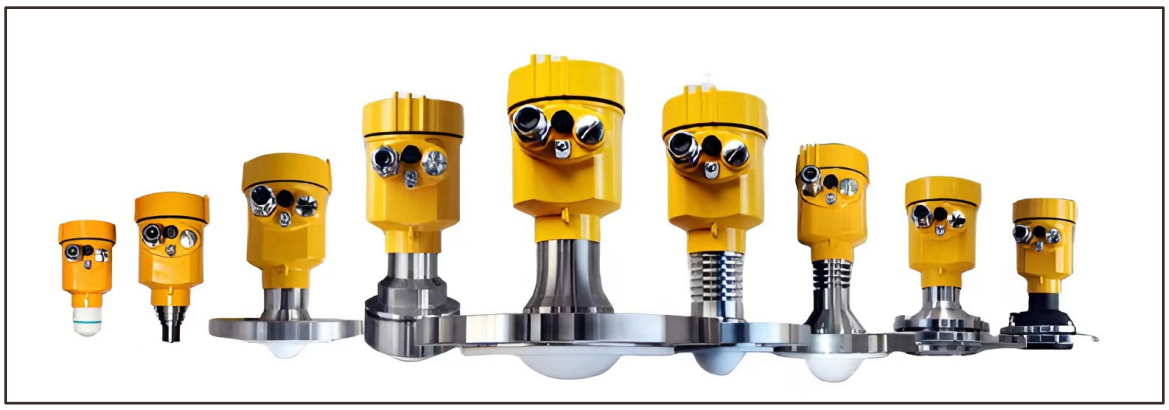
سامانه پایش قدرت

Radar Level Meter

Catalog

FM Series 80G Radar Level Meter

Radar · Level



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DESCRIPTION

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.

FEATURES

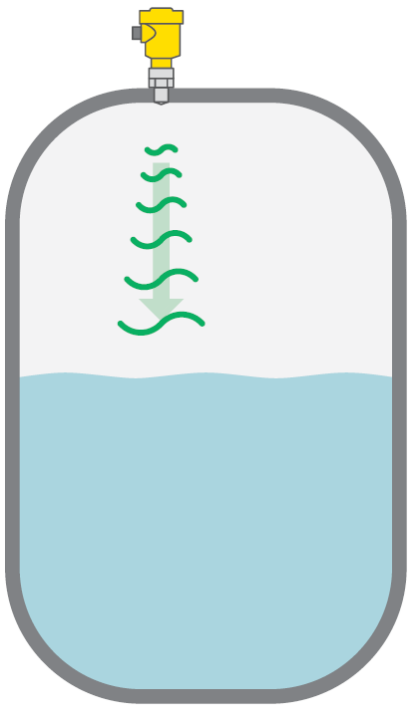
1. Millimeter-wave radar, with a measurement accuracy of up to ±1mm, and a minimum blind area of 0.1m.

2. The smaller antenna size satisfies the measurement of more working conditions.

3. .With stronger penetrability, it can be used normally even if there is adhesion and condensation.

4.The dynamic signal range is larger, and the measurement of low dielectric constant medium is more stable.

5. A variety of measurement modes, the radar reaction time in the fast measurement mode is less than 1S.



TECHNICAL PARAMETERS

Measuring medium	Liquid /Solid
Measuring range	0.1m~200m
Process connection	Thread/Flange
Process temperature	-40～100℃
Process pressure	-0.1～1.6 mpa
Antenna type /material	Filled lens antenna /PTFE
Sealing	FKM
Protection level	IP65-IP68
Power supply	Two-wire system/DC24V
	Four-wire system/AC220V
	Six-wire system/DC12-24V
Shell material	Aluminium/Plastic/Stainless steel
Signal output	Two-wire system/4-20mA/HART protocol
	Four-wire system/4-20mA/HART protocol
	Six-wire system/4-20mA/HART protocol
Intrinsically safe & Flameproof	Ex db ia lC T6 Gb Ex tbIICT80° C Db

On-site Case

· Water supply plant

Model： FMW11

Measuring medium: Water

Measuring range: 15m

Process connection: Flange

· Agricultural silos

Model： FMW21

Measuring medium: solid

Detect the material level

Process connection: Flange

· Pharmaceutical factory

Guided wave radar

Medicine and water mixture

Anticorrosion

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