



The series is FMCW radar operating at 76–81 GHz, which has a maximum measuring range of 120m and a minimum blind zone of 8cm. It supports 4-wire and 2-wire applications. Higher operating frequency and shorter wavelength make it ideal for solid applications, including those with extreme dust and high temperature to + 200°C. The radar consists of an electronic circuit coupled to a lens antenna and flange for quick and easy positioning.

Frequency	76GHz ~ 81GHz, 5GHz FMCW bandwidth
Measuring range	x0: 0.3 m ~ 60m x1: 0.08m~30m x2: 0.6m ~ 120m
Measurement accuracy	±1mm
Beam angle	3°/6°
Minimum measured dielectric constant	>=2
Power	15~28VDC
Signal output	2x: 4 ~ 20mA or RS-485 3x: 4~20mA
Fault output	3.8mA, 4mA, 20mA, 21mA, hold
Enclosure	Aluminum alloy, stainless steel
Antenna type	Lens antenna/anti-corrosive antenna / flange isolated by quartz
Process temperature	T0:-40~85°C; T1:-40~200°C; T2:-40~500°C; T3:-40~1000°C
Process pressure	-0.1~2MPa
Product Size	Ø100*270mm
Cable entry	M20*1.5
Recommended cables	AWG18 or 0.75mm ²
Protection class	IP67
Explosion-proof grade	ExdiaIICT6
Installation method	Thread or flange

PRODUCT DETAILS

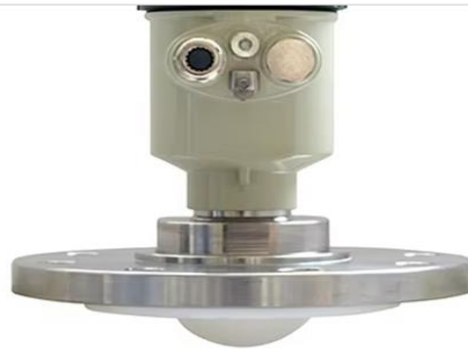


Flange connection

The high-frequency radar liquid level gauge adopts high-quality waterproof joints with strong sealing, small beam angle, concentrated energy and anti-interference, and more accurate accuracy.

3° antenna beam angle

The interference in the environment has less impact on the instrument, and the installation is more convenient.



Material

Aluminum alloy & stainless steel, which has good processing performance and corrosion resistance, and has a long service life and is suitable for all working conditions.

Antenna type

Lens antenna / anti-corrosive antenna / flange isolated by quartz.

