

Suitable for Medium all kinds of corrosive liquid

This series of radar level meter adopted 26G high frequency radar sensor; the maximum measurement range can reach up to 10 meters. Suitable for medium all kinds of corrosive liquid. Antenna is optimized further processing, the new fast microprocessors have higher speed and efficiency can be done signal analysis, the instrumentation can be used for reactor and very complex measurement environment.

Radar level transmitter antenna microwave pulse is narrow, the downward transmission antenna. Microwave exposure to the medium surface is reflected back again by the antenna system receives, sends the signal to the electronic circuit automatically converted into level signals (because the microwave propagation speed, electromagnetic wave to reach the target and the reflected back to the receiver this time is almost instantaneous).

The characteristics of 26G radar level meter:

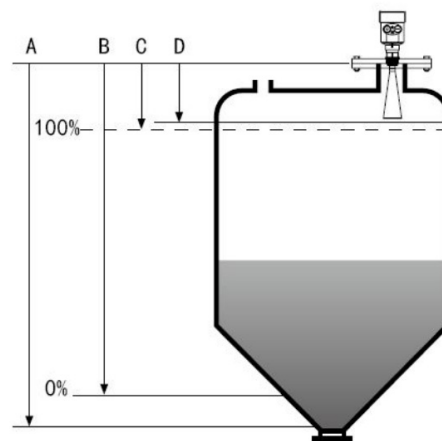
- Small antenna size, easy to install; Non-contact radar, no wear; no pollution.
- Almost no corrosion, bubble effect; almost not affected by water vapor in the atmosphere, the temperature and pressure changes.
- A shorter wavelength, the reflection of solid surface inclination is better.
- Beam angle is small, the energy is concentrated, can enhance the ability of echo and to avoid interference.
- The measuring range is smaller; for a measurement will yield good results.
- High signal-to-noise ratio, the level fluctuation state can obtain better performance.
- High frequency, measurement of solid and low dielectric constant of the best choice.



RIL400 Product Model Selection

P	Standard (Non-explosion-proof)
I	Intrinsically safe (Exia IIC T6 Ga)
G	Intrinsically safe type, Flameproof (Exd (ia) IIC T6 Ga)
Antenna Type / Material / Temperature	
F	Sealing horn / PTFE / -40... 120°C
Process Connection / Material	
G	Thread G1" ½ A
N	Thread 1" ½ NPT
A	Flange DN50 /PP
B	Flange DN80 /PP
C	Flange DN100 /PP
Y	Special Custom-tailor
The Outlet Pipe Length of the Container	
A	Outlet pipe 100mm
The Electronic Unit	
2	(4~20) mA / 24V DC / Two wire system
3	(4~20) mA / 24V DC / HART two wire system
4	(4~20) mA / 220V AC / Four wire system
5	RS485 / Modbus
Shell / Protection Grade	
L	Aluminum / IP67
G	Stainless Steel 304 / IP67
Cable Line	
M	M20x1.5
N	½" NPT
Field Display/The Programmer	
A	Integrate
X	Without
Example: RIL400-P-F-G-A-2-L-M-A	

A Range set
B Low adjustment
C High
D Blind area



Datum measurement: Screw thread bottom or the sealing surface of the flange.
Note: Make sure the radar level meter the highest level cannot enter the measuring blind area (Figure D shown below).