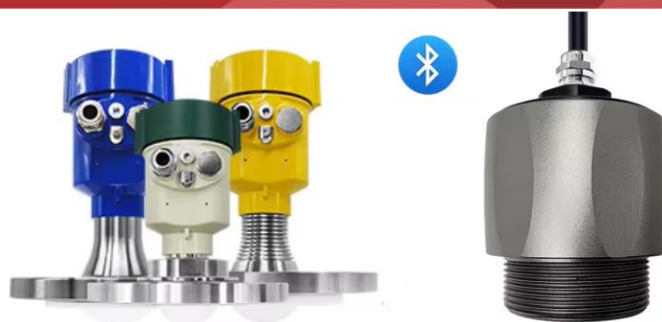


Radar Level Meter Series YW04



Features

- Millimeter wave RF chip enables more compact RF architecture, higher signal-to-noise ratio and smaller blind area.
- 5GHz working bandwidth enables the product to have higher resolution and accuracy.
- The narrowest antenna beam angle is 6°, the interference in the installation environment has less impact on the instrument, and the installation is more convenient.
- Integrated lens design, compact size.
- Display control and water level gauge adopt separate design, which can be customized.
- Low power consumption operation, service life more than 3 years.
- Support mobile phone Bluetooth debugging, convenient on-site maintenance work.

Applications

- River/reservoir monitoring
- Barn tank measuring
- Chemical liquid tank measuring
- Food grade level measuring
- High temperature/steam tank measuring
- Foam/dust tank measuring
- Stirring tank measuring

Specifications

Type	YW04
Transmitting frequency	76GHz ~ 81GHz
Measurement range	10m; 20m; 30m; 60m; 120m
Measurement accuracy	±1mm
Measurement interval	Up to 100ms
Beam angle	3°/8°/20°
Dielectric constant	≥2
Supply range	12 ~ 28.0 VDC

Communication	MODBUS; HART
Signal output	4 ~ 20mA or RS-485
Fault output	3.8mA, 4mA, 20mA, 21mA, hold
Field operation and programming	128 x 64 dot matrix display/4 keys; configurable software for PC setup
Process temperature and humidity	T0: -40~85°C/humidity≤95%RH; T1: -40~200°C; T2:-40~500°C;T3:-40~1000°C
Housing material	Aluminum alloy, stainless steel
Process connection type	Pipe threads/universal flanges/anti-corrosion flanges/sanitary chucks/quartz isolation flanges
Process pressure	-0.1 ~ 2MPa
Product size	Ø100*270mm
Cable entry	M20*1.5
Recommended cables	AWG18 or 0.75mm ²
Protection grade	IP67
Explosion-proof grade	Ex-ia-IIC-T6
Installation method	Threaded or flanged

Note: The measurement blind spot depends on the antenna selected and the reflective properties of the object to be measured. Laboratory blind spot tests are based on water or metal plates.

Model Code Selection Table

Part	Number
Selection Type	YW04-01(display); YW04-02(blue tooth)
Signal Output	S1: 4-20mA S2: RS485 S3: 4-20mA+RS485 S4: 4-20mA+Hart S5: 4-20mA+Hart+blue tooth
Level Range	L1: 0~10m L2: 0~20m L3: 0~30m L4: 0~40m L5: 0~50m L6: 0~60m LX: By Customized
Application	00: Normal liquid 01: Liquid with corrosive 02: Liquid with high temperature 200°C 03: Medium with dusty 04: Other medium