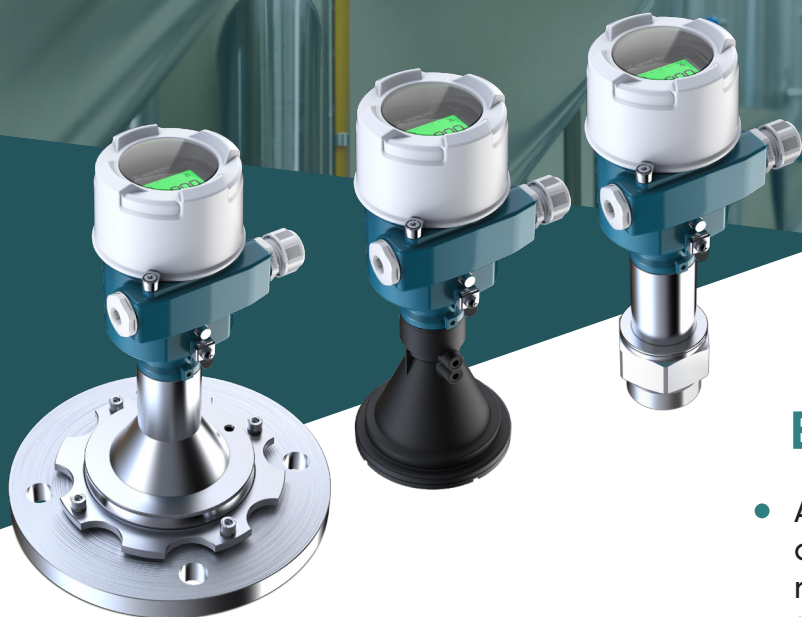


HIKMICRO

RADAR LEVEL METER



HIKMICRO LRG10 series radar level meter can continuously measure the height of materials (solid or liquid) in closed or open containers during industrial production. It can be installed in various metal or non-metal containers or pipelines to continuously measure the level of liquids, slurries and granular materials. It is suitable for places with strong dust, steam, corrosion, stirring and volatile gases.

Benefits

- Adopting 80 GHz FMCW technology and 3° beam angle, the measurement range is up to 120m with accuracy up to ± 2 mm.
- Low power consumption design, lower starting voltage, and stronger load capacity.
- Adapting to more usage scenarios including liquids and bulk solids with a variety of antenna structures.
- Self-learning algorithm automatically adjusts algorithm parameters according to real-time data to improve radar adaptability.
- Supports APP configuration with Bluetooth and host computer software, making remote debugging and installation more efficient.
- High device stability with false echo suppression algorithm and intelligent interference shielding.

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Radar Level Meter

					
Type	Flange with Lens Antenna (Swiveling Holder & Purge)	Plastic Horn Antenna	Flange with Encapsulated Antenna (3°Beam Angle)	Flange with Encapsulated Antenna (6°Beam Angle)	Thread with Integrated Antenna
Measuring Range	0~10 m / 0~30 m / 0~50 m / 0~120 m	0~10 m / 0~30 m / 0~50 m / 0~120 m	0~10 m / 0~30 m / 0~50 m / 0~120 m	0~10 m / 0~30 m	0~10 m / 0~30 m
Process Fitting	DN80 and above	Mounting strap / DN80 and above	DN80 and above	DN50 and above	Threads: G1½, G ¾, NPT 1½, NPT ¾
Process Connection Material	304 stainless steel/316L stainless steel	304 stainless steel/316L stainless steel/PP	304 stainless steel/316L stainless steel	304 stainless steel/316L stainless steel	304 stainless steel/316L stainless steel
Process Temperature	-40~150 °C(The high temperature version can reach up to 250 °C)	-40~80 °C	-40~150 °C(The high temperature version can reach up to 250 °C)	-40~150 °C(The high temperature version can reach up to 250 °C)	-40~150 °C(The high temperature version can reach up to 250 °C)
Process Pressure	-0.1~0.25 MPa	-0.1~4 MPa	-0.1~4 MPa	-0.1~4 MPa	-0.1~1.6 MPa
Antenna Size	74 mm	74 mm	74 mm	42 mm	34mm/14.5 mm
Main Wetted Parts	304 stainless steel + PTFE / 316L stainless steel + PTFE / 304 stainless steel + PP / PTFE	PP	304 stainless steel + PTFE / 316L stainless steel + PTFE / 304 stainless steel + PP / PTFE	304 stainless steel + PTFE / 316L stainless steel + PTFE / 304 stainless steel + PP / PTFE	G1½, NPT 1½: 304 stainless steel + PTFE / 316L stainless steel + PTFE G ¾, NPT ¾: 304 stainless steel + PEEK / 316L stainless steel + PEEK
Frequency	W-Band (80 GHz)	W-Band (80 GHz)	W-Band (80 GHz)	W-Band (80 GHz)	W-Band (80 GHz)
Accuracy	±2 mm / ±5 mm	±2 mm / ±5 mm	±2 mm / ±5 mm	±2 mm	±2 mm
Protection Rating	IP67	IP67	IP67	IP67	IP67
Output Signal	4~20 mA, HART (Two-wire)	4~20 mA, HART (Two-wire)	4~20 mA, HART (Two-wire)	4~20 mA, HART (Two-wire)	4~20 mA, HART (Two-wire)
Power Supply	24V DC (12~36V DC)	24V DC (12~36V DC)	24V DC (12~36V DC)	24V DC (12~36V DC)	24V DC (12~36V DC)
Application	Bulk solids with strong dust	Liquids, bulk solids	Liquids, bulk solids	Liquids, bulk solids	Liquids, bulk solids