



MiDoMet Radar is a very low power and high precision wave radar level sensor. Its radar detection algorithm allow high measurement precision and high sensitivity. Uses contact free technology, eliminating the need for physical contact with the measured substance, preventing contamination and minimizing maintenance needs

FEATURES

- High precision ± 10 mm, large detection field
- Compact dimensions
- Contact free measurement, without difficult cleaning and maintenance
- Energy consumption reduced to minimum
- High sensitivity, lightness, easy integration
- Not influenced by the variations of the dielectric constant and the specific weight of the medium
- Easy to install with a bubble level design on the top
- No calibration is required on site

APPLICATION

- Water treatment
- Oil and gas industry
- Hydrological monitoring
- Rivers and water body
- Water/fuel tanks
- Chemical industry
- Storage tanks of petrochemical processes
- Pharmaceutical industry
- Production of food and drinks
- Refinement process containers
- Wastewater Treatment
- Energy production
- Process control

PARAMETERS

Pressure range	-1~3bar
Measurement range	0.2-10m
Accuracy of measurement	±10mm(typical), ±2mm/±5mm(customized)
Accuracy with analogue measurement 0-5V/0-10V/4-20mA	0.5%F.S(typical),0.25%F.S/0.1%F.S(customized)
FOV angle	Horizontal 15°
Frequency center	80GHz
Communication rate	Default 9600bit/s
Scanning frequency	76-81GHz
Signal output	0-5V+RS485 MODBUS RTU; 0-10V+RS485 MODBUS RTU; 4-20mA+RS485 MODBUS RTU optional
Power	2-30Vdc(Typical type) 3.3-4.2Vdc(Low voltage & low power consumption type)
Working temperature	-40~85°C
Dimensions	Ø125.5×76mm
IP protection	IP68
Wet parts materials	PVDF(Anti-corrosion type)
Case materials	PA6 nylon + Fiberglass
Antenna	13×11mm

MiDoMet Radar (MID.RADAR.1.18.X)

ELECTRICAL CONNECTION

	Vcc+	RS-A	RS-B	0-10V/0-5V/4-20mA	GND
3 wires 0 ~ 5V	Red	Green	Blue	Yellow	Black