26GHz Lens Radar Level Transmitter with ModbusRTU output

SKU: MBRTU-RD26L

Doc No: MBRTU-RD26L-DS-EN-10





Introduction

MBRTU-RD26L is K-band radar level sensor with special lens for Solid or Liquid measurement. With special lens design, it will be not affected by coagulation/hanging/operating medium/sediment and dust. It can measure up to 70m range with small beam angle 8 degree. Output is Modbus RTU for easily integrating with any PLC, controller, SCADA, BMS or IoT gateway.

- Not affected by Dust, Steam...;
- Range up to 70m;
- Standard ModbusRTU output;
- Plug & Play.

Typical Applications

- Level measurement in Tank;
- Level measurement in Silo;
- Level measurement for Liquid or Solid;

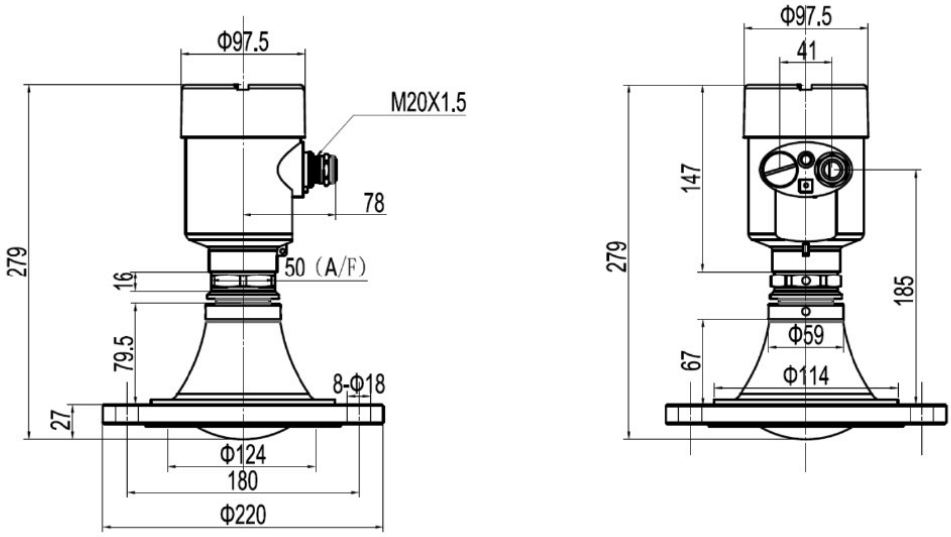
Coalmine Application



Cement Application



Dimension Drawings



Specification

Sensor technology	26 GHz Pulse radar with lens
Measurement range	10, 30, 70m
Resolution	1.0 mm
Accuracy	+/- 5.0 mm
Beam angle	8 degree
Lens material	Nylon/PEEK/PTFE/POM
Process temperature	-40 .. + 85oC standard, +250 oC optional
Process pressure	-1 .. + 4 barg
Ambient working temperature	-40 .. + 85 oC
Ambient working humidity	0 .. 95% RH, non-condensing
Power Supply	9..40VDC max 40mA
Output	RS485, ModbusRTU
Display	Local LCD with keypad
Housing/Protection	Cast aluminum IP67
Mounting	Direct mount on flange
Dimension	220x220x279
Net weight	<= 10 kgs

Ordering Codes

Item code	Descriptions
MBRTU-RD26L-SL-01	RADAR LEVEL SENSOR WITH PA LENS FOR SOLID IN HIGH DUST ENVIRONMENT, MODBUSRTU OUTPUT, SUS304 JIS10K 100A RF FLANGE, 0-30M CALIBRATED RANGE, -40 .. + 85 C, IP67 ALUMINUM HOUSING
WS433-RD26L-SL-02	RADAR LEVEL SENSOR WITH PA LENS FOR SOLID IN HIGH DUST ENVIRONMENT, MODBUSRTU OUTPUT, SUS304 JIS10K 100A RF FLANGE, 0-70M CALIBRATED RANGE, -40 .. + 85 C, IP67 ALUMINUM HOUSING

⚠ Link for full datasheet:

⚠ Link for manual:

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Revision #4
★ Created Fri, Nov 27, 2020 2:01 AM by Lộc Vĩnh Nguyễn
Updated Fri, Nov 27, 2020 2:11 AM by Lộc Vĩnh Nguyễn