

DATASHEET

LTR-101

Radar Level Transmitter



aidventis

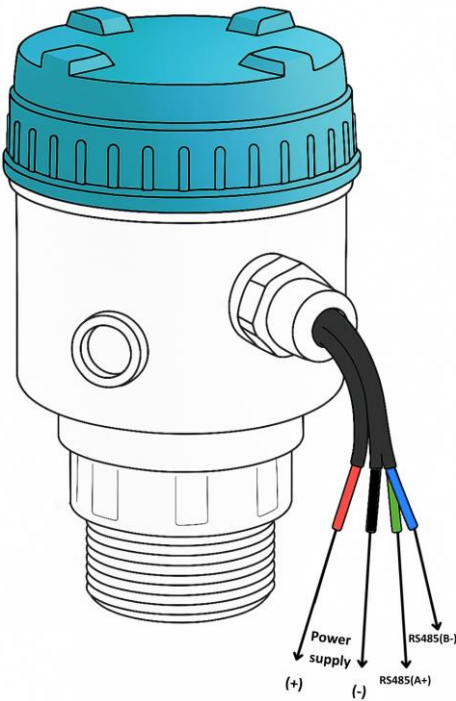
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Key Features

- 60 GHz PCR technology delivers superior resolution, higher accuracy, and stable long-term performance.
- Measurement range up to 15 m with a minimum blind zone of just 0.15 m.
- Narrow beam angle with focused energy ensures strong anti-interference ability, precise measurements, and excellent reliability.
- Robust operation in harsh environments – unaffected by light, rain, snow, dust, steam, or water mist.
- Multiple output interface options available for seamless integration with different systems.
- Low transmission power guarantees complete safety for humans and complies with international radar emission standards.

Parameters	Specification
Medium	Liquid
Measuring	10m/20m
Blocking distance	<0.15m
Modulation waveform	PCR
Transmission frequency	56GHz-64GHz
Beam angle	6°
Accuracy	±5mm (10m/20m)
Resolution	1mm
Transmission output	2 Wire
Digital communication	Modbus RTU, RS485
Power supply	9-24V DC
Power consumption	<1W
Process temperature	(-30~75)°C
Protection	IP66

Wiring



Wire color definitions

Red	(9 – 24)V DC
Black	Ground
Green	RS485 A+
Blue	RS485 B-

Ordering Information	
LTR-101	Range: 10m RS485 Output
LTR-102	Range: 20m RS485 Output
LTR-201	Range: 10m RS485 & LTE Connection
LTR-202	Range: 20m RS485 & LTE Connection

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