



ADVANCED RADAR-BASED DETECTION

Employs cutting-edge radar technology to detect both hot and cold metal materials, ensuring swift and reliable real-time detection even amidst obstacles like steam and dirt

FLEXIBLE DISTANCE RANGE

Capable of detecting objects within a flexible distance range from 200 mm up to 5000 mm, adapting to various industrial settings and requirements

COMPACT & VERSATILE INSTALLATION

Features a compact design for space-constrained environments and includes multiple drillings for straightforward installation

SEAMLESS PLC INTEGRATION

Communicates effortlessly with Programmable Logic Controllers (PLCs) via Modbus/TCP, facilitating easy integration into existing systems

DURABLE PERFORMANCE

Designed to perform accurately with minimal maintenance, even in adverse conditions such as extreme temperatures, dust, and aerosols. Boasts an IP68 rating for enhanced protection

Technical Data

Provides flexible both hot and cold metal material detection reliably and swiftly in real-time contending with obstacles like fog, dirt, or cooling water.

Measurement principle	FMCW
Centerfrequency, Bandwidth	121.15 GHz ¹ / 122.5 GHz ² 3 GHz, 3 GHz ¹ / 0,9 GHz ²
Transmitting power (max.)	2mW
Measurement rate	75 Hz
Object detection time/ Releasetime	40 ms default
Opening angle	+/- 2°
Operation temperature	-20°C...70°C
Distance to detection object	from 200 mm up to 5,000 mm
Power consumption (typ.)	6 Watt
Interfaces	1x RJ-45 with PoE
Communication	ModbusTCP interface, 2x Relay-contacts
Power supply	*PoE
Housing material	Aluminum alloy or Stainless Steel
Front plate	PTFE ³
Certification	FCC ¹ , CE ²
Housing protection	IP68/IP69K
Sensor Dimensions	131 x 130 x 74,5 mm
Sensor Weight	1.500 g ⁴
Mounting	4x M6x1 depth 8 on the backside 2x M6x1 depth 6 on the bottom