



U12 Industrial Ultrasonic Sensors RS485 Output Modbus-Rtu 10-30VDC

Our Product Introduction

Basic Information

- Place of Origin: Guangdong, China
- Brand Name: KRONZ
- Certification: CE
- Model Number: U12-D120R4T-R00A
- Minimum Order Quantity: 5 pieces
- Price: Negotiable
- Packaging Details: Polybag packing
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 100000 pieces per month



Product Specification

- Description: U12 Series Ultrasonic Sensors
- Detection Range: 20-120mm
- Output: RS485
- Communication Protocol: Modbus-rtu
- Blind Zone: 0-20mm
- Repeatability: $\pm 0.15\%$ F.S.
- Response Time: 18ms
- Initialization Time: 500ms
- Highlight: RS485 Industrial Ultrasonic Sensors,
30VDC Industrial Ultrasonic Sensors,
Modbus Rtu Industrial Ultrasonic Sensors



Product Description

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Product Specifications

Attribute	Value
Description	U12 Series Ultrasonic Sensors
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Key Features

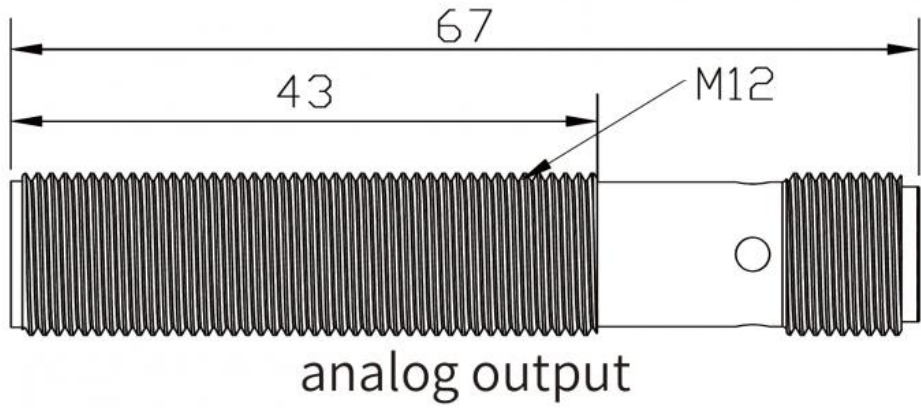
- M12 installation threaded sleeve, the shortest full length is only 67mm
- Small blind zone, small sound cone, suitable for close-range fine detection
- 1 RS485 output, Modbus-rtu protocol
- Distance learning function through white lines
- Built-in temperature compensation
- Standard operating voltage DC 10-30V

Technical Specifications

Model	U12-D120R4T-R00A
Detection range	20-120mm
Blind zone	0-20mm
Resolution	0.1mm
Repeatability	±0.15%F.S.
Accuracy	±1%(built-in temperature drift compensation)
Response time	18ms
Initialization time	500ms
Supply voltage	10-30V DC, reverse-polarity protection
Red LED indicator	No object detected: Lights up, Teaching-in when no object detected: Flashes
Green LED indicator	Object detected: Lights up, Teaching-in when object detected: Flashes
Overcurrent protection	200mA, Red LED and Green LED flashing simultaneously
Load impedance	I/ 300 Ohm, U/ 1k Ohm
No-load current	≤30mA
Input type	Teach-in and synchronization
Material	Copper nickel-plated, plastic fittings, glass epoxy resin
Enclosure rating	IP67

Connection type	4pin, M12 connector
Ambient temperature	-25 ~+70 (248~343K)
Storage temperature	-40 ~+85 (233~358K)
Weight	16g
Output type	1 analog voltage output 0-10V

Dimensional Drawing



KRONZ Kronz (guangzhou) Electronics Co., Ltd.



+8618924160375



sales02@kronz.cn



connector-industrial.com

6th Floor, B602 Building, No.10, Rong Jing 2nd Road, Yu Shan Guo Ji, Yong Ning Street, Zeng Cheng District,
Guangzhou, P.R.China