

Your Global Automation Partner

TURCK

RU Ultrasonic Sensors With Analog and Switching Output



“Standard” Range Expanded

Now, not only the high-end range, but also the standard range of RU ultrasound sensors from Turck is available with an analog output. In addition to the analog output, the new sensor also offers a special switching output, for which the switching range always follows the measuring range limits set for the analog output. This means that customers who only have occasional need for an ultrasonic sensor with a switching output, can effectively reduce the number of device variants they keep.

In the factory settings, the sensor issues its output signal of 0...10 V or 4...20 mA across the entire measuring range. The measuring range can be set individually via a teach adapter or the control unit. This means that the switching point can be set

individually even when being used as a switch. The standard series was previously only available with two switching outputs.

Turck provides a total of 12 variants of the devices: M18 versions with a range of 40 or 130 cm with an angled or straight sensor head, as well as M30 versions with ranges of 300 or 600 cm. All variants are available with voltage or current output.

Your Benefits

- Fewer variants required thanks to additional functions
- Standardized measurement output signal of 4...20 mA or 0...10 V
- Variety of ranges available
- High availability thanks to robust design

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Product Highlights

- Simple teach-in
- Robust and compact metal housing
- Smooth sonic transducer face
- Auxiliary switching output
- Ranges of 2.5...40 cm and 60...600 cm
- Protection class IP67

RU40/130U
M18 Straight



RU40/130U
M18 Angled



RU300U
M30



RU600
M30



Standard Analog

| Design | Type code | ID number | Sensing range | Output |
|----------|--------------------------|-----------|---------------|---------------|
| Straight | RU40U-M18E-LI8X2-H1151 | 1610069 | 2.5...40 cm | 4...20 mA/PNP |
| | RU130U-M18E-LI8X2-H1151 | 1610089 | 15...130 cm | 4...20 mA/PNP |
| | RU300U-M30E-LI8X2-H1151 | 1610099 | 30...300 cm | 4...20 mA/PNP |
| | RU600U-M30E-LI8X2-H1151 | 1610100 | 60...600 cm | 4...20 mA/PNP |
| Angled | RU40U-M18ES-LI8X2-H1151 | 1610097 | 2.5...40 cm | 4...20 mA/PNP |
| | RU130U-M18ES-LI8X2-H1151 | 1610098 | 15...130 cm | 4...20 mA/PNP |
| Straight | RU40U-M18E-LU8X2-H1151 | 1610109 | 2.5...40 cm | 0...10 V/PNP |
| | RU130U-M18E-LU8X2-H1151 | 1610110 | 15...130 cm | 0...10 V/PNP |
| | RU300U-M30E-LU8X2-H1151 | 1610113 | 30...30 cm | 0...10 V/PNP |
| | RU600U-M30E-LU8X2-H1151 | 1610114 | 60...600 cm | 0...10 V/PNP |
| Angled | RU40U-M18ES-LU8X2-H1151 | 1610111 | 2.5...40 cm | 0...10 V/PNP |
| | RU130U-M18ES-LU8X2-H1151 | 1610112 | 15...130 cm | 0...10 V/PNP |

