

RU50 Ultrasonic Sensor Eco Line



Ultrasonic Sensors for OEMs

The RU50 Eco ultrasonic sensor is ideal for price-conscious OEM projects. Based on the latest sonic transducer technology, this ultrasonic sensor maintains the high quality of Turck's sensor line despite its price.

The devices are in a plastic threaded housing made of highly durable liquid crystal polymer (LCP); the translucent end cap with an M12 connector is made of Ultem plastic. Both plastics have proven durability over long periods of use based on other Turck products.

The RU50 Eco sensors are currently available with analog as well as switching outputs. Users can choose between an M12 electrical connector or a 2m cable. The translucent end cap also offers the benefit of 360 degree visibility of the switch condition of the sensor.

Benefits

- Optimum price/performance ratio
- Easy to use
- Robust sensors in a plastic housing with integrated LED display

RU50 - Ultrasonic Sensor Eco Line



RU50 Eco

- Sensing range 500mm
- M12 electrical connector or a 2m cable
- Diffuse and retro-reflective switching with PNP or NPN outputs
- 4-20mA or 0-10v analog outputs
- Smooth sonic transducer face
- Switch point adjustable via teach-in
- LED status display integrated in the connector

Variants

| Ident-No. | Type code | Description | Dimension drawing |
|-----------|----------------------|--|-------------------|
| 100000394 | RU50U-S18-AP8X | Diffuse mode switching output-PNP | |
| 100002165 | RU50L-S18-AP8X | Retro-reflective mode switching output-PNP | |
| 100000984 | RU50U-S18-AN8X | Diffuse mode switching output-NPN | |
| 100002166 | RU50L-S18-AN8X | Retro-reflective mode switching output-NPN | |
| 100000747 | RU50U-S18-LI8X | Diffuse mode Analog 4-20mA | |
| 100000749 | RU50U-S18-LU8X | Diffuse mode Analog 0-10v | |
| 100000746 | RU50U-S18-AP8X-H1141 | Diffuse mode switching output-PNP | |
| 100002167 | RU50L-S18-AP8X-H1141 | Retro-reflective mode switching output-PNP | |
| 100000983 | RU50U-S18-AN8X-H1141 | Diffuse mode switching output-NPN | |
| 100002168 | RU50L-S18-AN8X-H1141 | Retro-reflective mode switching output-NPN | |
| 100000748 | RU50U-S18-LI8X-H1141 | Diffuse mode Analog 4-20mA | |
| 100000750 | RU50U-S18-LU8X-H1141 | Diffuse mode Analog 0-10v | |

Application examples



Cover control for bottles



Congestion control



Level monitoring