



UK6A/HP-0EUL



UK1D/E7-0E



UK1F/E7-0E



UT1B/E6-0EUL



VBR1/D0-3A



UK series M18 cylindrical ultrasonic sensors sense in direct diffuse mode. A teach-in button is used to set working distance, output status (NO/NC) and slope of analog output and to change the function. All models are temperature compensated to ensure reliability throughout the entire detection range and are totally resin filled for applications subject to vibration offering an IP67 protection degree.

Cylindrical ultrasonic sensors

UK series ultrasonic sensors IP67 (EN60529)

- Sensitivity: Adjustable (*via external teach-in*)
- Ambient limits: -20 - +60°C
- Supply protection: Polarity reversal, transient
- LED indication: Orange (*output/regulation*), green (*echo reception*)
- Housing material: PBT plastic (AISI 316L stainless steel available on request)

type	supply voltage	sensing distance (mm)	PNP	NPN	NO	NC	0...10V	4...20mA	connector
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UK6 ultrasonic sensor short body M18 x 60.3 mm (including connector)

Digital NO/NC output M12 (4-pin) plug connector

UK6A/HP-0EUL	15 - 30 VDC	ultrasonic sensor	40...300	•	•	•	•		M12 plug
UK6C/HP-0EUL	15 - 30 VDC	ultrasonic sensor	60...800	•	•	•	•		M12 plug
UK6D/HP-0EUL	15 - 30 VDC	ultrasonic sensor	80...1200	•	•	•	•		M12 plug

Analog output

UK6A/H1-0EUL	15 - 30 VDC	ultrasonic sensor	40...300					•	M12 plug
UK6C/H1-0EUL	15 - 30 VDC	ultrasonic sensor	60...800					•	M12 plug
UK6D/H1-0EUL	15 - 30 VDC	ultrasonic sensor	80...1200					•	M12 plug
UK6A/H2-0EUL	15 - 30 VDC	ultrasonic sensor	40...300					•	M12 plug
UK6D/H2-0EUL	15 - 30 VDC	ultrasonic sensor	60...800					•	M12 plug
UK6C/H2-0EUL	15 - 30 VDC	ultrasonic sensor	80...1200					•	M12 plug

UK1 ultrasonic sensors M18 x 92 mm M12 (4-pin) plug connector

Analog + Digital NO/NC output

UK1D/E6-0E	15 - 30 VDC	ultrasonic sensor	150...1600	•	•	•	•	•	M12 plug
UK1D/E7-0E	15 - 30 VDC	ultrasonic sensor	150...1600	•	•	•	•	•	M12 plug
UK1F/E6-0E	15 - 30 VDC	ultrasonic sensor	200...2200	•	•	•	•	•	M12 plug
UK1F/E7-0E	15 - 30 VDC	ultrasonic sensor	200...2200	•	•	•	•	•	M12 plug

UT Ultrasonic sensors M30 x 100 mm IP67 (EN60529) M12 (4-pin) plug connector

- Sensitivity: Adjustable (*via teach-in button*)
- Ambient limits: -20 - +70°C
- Supply protection: Polarity reversal, transient
- LED indication: Orange (*output/regulation*), green (*echo reception*)
- Housing material: PBT plastic (AISI 316L stainless steel available on request)

Analog + Digital NO/NC output M12 (4-pin) plug connector

UT1B/E6-0EUL	10 - 30 VDC	ultrasonic sensor	250...3500	•	•	•	•	•	M12 plug
UT1B/E7-0EUL	15 - 30 VDC	ultrasonic sensor	250...3500	•	•	•	•	•	M12 plug
UT2F/E6-0EUL*	10 - 30 VDC	ultrasonic sensor	350...6000	•	•	•	•	•	M12 plug
UT2F/E7-0EUL*	15 - 30 VDC	ultrasonic sensor	350...6000	•	•	•	•	•	M12 plug

* Large Ø 38.8 mm front transducer
Cables and M12 connectors (see page K-21)
Other output combinations available on request

VBR series - vibration and inclination sensor M18 IP67

New VBR series shock and vibration sensor incorporates a MEMS 3-axis accelerometer to monitor all accelerations and vibrations. Designed to be easy to use without any special training for operators.

- Programmable operating range: ±2g, ±4g, ±8g, ±16g
- Reference axis: 3 (X,Y,Z)
- Frequency range: 0 ... 400Hz
- Fully programmable in all its functions, thresholds, alarms and node addresses
- 1 output RS485 (*addressable with max 128 nodes*)
- 1 analogue output (*programmable voltage or current*)

VBR1/D0-3A	24 VDC	vibration sensor	2g...16g					•	•	cable
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Mounting accessories

ST18-S	bracket	M18 mounting bracket/housing for above vibration sensor
ST18-V	bracket	M18 metal mounting bracket for above vibration sensor