

# ULTRASONICS

## UT / UM Ultrasonic sensors



### Reliable detection even of critical objects with our ultrasonic sensors

Our range of ultrasonic sensors leaves nothing to be desired. Whether they are used in the electronic industry or on packaging machines: the ultrasonic sensors of our UT / UM line reliably detect even difficult objects such as printed circuit boards and transparent foils.

Thanks to the many different casings and working ranges of this line, nearly all applications can be solved.

It's up to you whether you prefer a distance-dependent current signal, a voltage signal or rather a switching output. The ultrasonic sensors of the UT / UM model range are equipped for any case, and thanks to their simple teach-in operation, nothing stands in the way of an uncomplicated start-up.



### Features

- Working ranges from 20 mm to 6000 mm
- Repeatability up to 0.225 mm
- Casings: cubic (32x20x12) and metric (M12, M18, M30)
- Teach-in
- PNP, NPN and analogue versions
- UT 20 also for use as reflective barrier
- IP 65/IP 67

### Accessories

Benefit from the wide choice of accessories, e.g. the MSP F20 mounting bracket for a safe mounting and perfect protection against mechanical influences.



Type	Working range	Repeatability	Casing	Connec-tion	Output
UT 20-150-PSM4 UT 20-150-NSM4 UT 20-150-AUM4 UT 20-150-AIM4	20-150 mm	0.15 % (of 250 mm)	cubicle 32 x 20 x 12 mm	M8 4-pin	1x PNP 1x NPN 0-10V 4-20 mA
UT 20-240-PSM4 UT 20-240-NSM4 UT 20-240-AUM4 UT 20-240-AIM4	50-240 mm	0.15 % (of 350 mm)	cubicle 32 x 20 x 12 mm	M8 4-pin	1x PNP 1x NPN 0-10V 4-20 mA
UT 20-700-PSM4 UT 20-700-NSM4 UT 20-700-AUM4 UT 20-700-AIM4	120-700 mm	0.15 % (of 1000 mm)	cubicle 32 x 20 x 18 mm	M8 4-pin	1x PNP 1x NPN 0-10V 4-20 mA
UT 12-370-PSL4 UT 12-370-AI-L4	30-400 mm	1 % (of 400 mm)	cylindric M12 x 70 mm	M12 4-pin	1 x PNP 4-20 mA
UT 18-270-PSL4 UT 18-270-AI-L4	30-300 mm	1 % (of 300 mm)	cylindric M18 x 70 mm	M12 4-pin	1 x PP 4-20 mA
UT 18-750-PSL4 UT 18-750-AI-L4	50-800 mm	1 % (of 800 mm)	cylindric M18 x 70 mm	M12 4-pin	1 x PNP 4-20 mA
UM 30-300-P-HP RI UM 30-300-PP-HP RI UM 30-300-A-HP RI	60-350 mm	+/- 1 mm	cylindric M30 x 137 mm	M12 5-pin	1 x PNP 2 x PNP 4-20 mA or 0-10V
UM 30-1000-P-HP RI UM 30-1000-PP-HP RI UM 30-1000-A-HP RI	200-1300 mm	+/- 2 mm	cylindric M30 x 137 mm	M12 5-pin	1 x PNP 2 x PNP 4-20 mA or 0-10V
UM 30-3000-P-HP RI UM 30-3000-PP-HP RI UM 30-3000-A-HP RI	350-3400 mm	+/- 3 mm	cylindric M30 x 137 mm head d = 48 mm	M12 5-pin	1 x PNP 2 x PNP 4-20 mA or 0-10V
UM 30-6000-P-HP RI UM 30-6000-PP-HP RI UM 30-6000-A-HP RI	800-6000 mm	+/- 4 mm	cylindric M30 x 137 mm head d = 48 mm	M12 5-pin	1 x PNP 2 x PNP 4-20 mA or 0-10V

For detailed technical data/dimensional drawings etc. please visit the download section at [www.sensopart.com](http://www.sensopart.com).