



Micro Detectors

Italian Sensors Technology



M30 Cylindrical Ultrasonic Sensor UT1



Ultrasonic Sensors
Catalogue

Cod. CAT3EUT1260501

Datasheet - UT1 - English - Ed.01/2012



	UT	1	B	/	E	1	-	0	E	UL
UT	M30 ultrasonic sensor									
1	Standard body length									
B	250 - 3,500 mm direct diffuse									
E	Sensitivity adjustment and NO/NC selection by Teach-in button									
1	0...10 V single voltage analogue output (*)									
2	4...20 mA single current analogue output (*)									
P	PNP NO/NC single digital output (*)									
N	NPN NO/NC single digital output (*)									
W	PNP - NO/NC two digital outputs with standard window and adjustable hysteresis functions (**)									
M	NPN - NO/NC two digital outputs with standard window and adjustable hysteresis functions (**)									
5	PNP - NO/NC two digital outputs coded window output (***)									
3	NPN - NO/NC two digital outputs coded window output (***)									
6	PNP - NO/NC digital output + 4 ... 20 mA current analogue output (*)									
4	NPN - NO/NC digital output + 4 ... 20 mA current analogue output (*)									
7	PNP - NO/NC digital output + 0 ... 10 V voltage analogue output (*)									
9	NPN - NO/NC digital output + 0 ... 10 V voltage analogue output (*)									
0	Plastic housing									
E	M12 plug cable exit									
A	2 m PVC Axial cable exit									
UL	with cULus certification									

(*) Sensing distance, NO/NC selection and analogue output slope adjustment takes possible by Teach-in button

(**) The two functions switching is possible pressing the Teach-in button. The state choice may be done by logic reversing during the sensor check (e.g. PLC)

(***) Specific model for detecting moving targets along the sensor axis

models

dimension	function	max. distance	output	analogue output	analogue output	1 x	1 x NPN	2 x PNP NO/NC	2 x NPN NO/NC	2 x PNP NO/NC	2 x NPN NO/NC	1 x PNP	1 x NPN	1 x PNP	1 x NPN
				0...10 V	4...20 mA	PNP NO/NC	NO/NC	(MD double coded output)	(MD double coded output)	(adjustable hysteresis MD stnd. window)	(adjustable hysteresis MD stnd. window)	NO/NC + 4...20 mA	NO/NC + 4...20 mA	NO/NC + 0...10 V	NO/NC + 0...10 V
M30	direct diffuse	3,500 mm	M12 plug	UT1B/E1-0EUL	UT1B/E2-0EUL	UT1B/EP-0EUL	UT1B/EN-0EUL	UT1B/E5-0EUL	UT1B/E3-0EUL	UT1B/EW-0EUL	UT1B/EM-0EUL	UT1B/E6-0EUL	UT1B/E4-0EUL	UT1B/E7-0EUL	UT1B/E9-0EUL
			cable	UT1B/E1-0AUL	UT1B/E2-0AUL	UT1B/EP-0AUL	UT1B/EN-0AUL	UT1B/E5-0AUL	UT1B/E3-0AUL	UT1B/EW-0AUL	UT1B/EM-0AUL	UT1B/E6-0AUL	UT1B/E4-0AUL	UT1B/E7-0AUL	UT1B/E9-0AUL