Ultrasonic sensor **UR30-CM2/3** series



Feature Description

- M30 installation threaded sleeve
- Extended long distance detection
- 1 NPN or PNP switch output
- Analog voltage output 0-5/10V or analog current output 4-20mA
- Digital TTL output
- Output can be changed through serial port upgrade
- Setting detection distance through teach-in lines
- Temperature compensation

CE UKCA

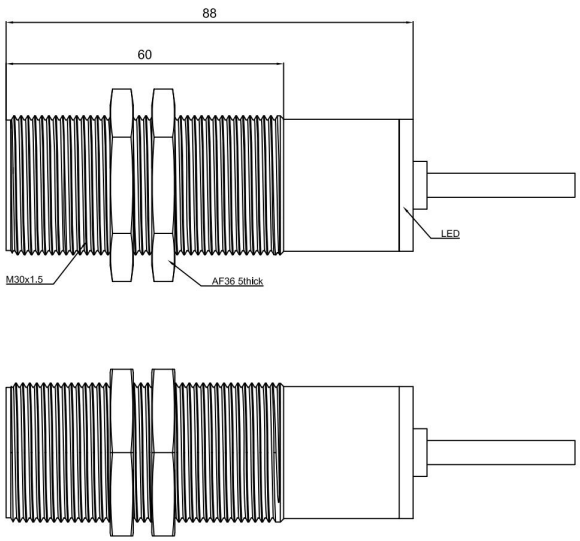
Model specifications

NPN	NO/NC	UR30-CM2DNB	UR30-CM3DNB	PNP	NO/NC	UR30-CM2DPB	UR30-CM3DPB
NPN	Hysteresis mode	UR30-CM2DNH	UR30-CM3DNH	PNP	Hysteresis mode	UR30-CM2DPH	UR30-CM3DPH
0-5V	Analog output	UR30-CM2DU5	UR30-CM3DU5	4-20mA	Analog output	UR30-CM2DI	UR30-CM3DI
0-10V	Analog output	UR30-CM2DU10	UR30-CM3DU10	Com	TTL232	UR30-CM2DT	UR30-CM3DT

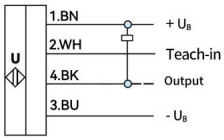
Specifications

Sensing range	180-2000mm	180-3000mm	Output indication	Red LED: No target detected in teach-in state, always on
Blind area	0-180mm			Yellow LED: In normal working mode, the switch status
Resolution ratio	1mm			Blue LED: Target detected in teach-in state, flashing
Repeat accuracy	±0.15% of full scale value			Green LED: Power indicator light, always on
Absolute accuracy	±1% (temperature drift compensation)		Input type	With teach-in function
Response time	100ms	110ms	Ambient temperature	-25℃…70℃(248-343K)
Switch hysteresis	2mm		Storage temperature	-40℃…85℃(233-358K)
Switching frequency	10Hz		Output characteristics	Support serial port upgrade and change the output type
Power on delay	＜500ms		Material	Copper nickel plating, glass bead filled epoxy resin
Working voltage	15...30VDC		Protection degree	IP67
No-load current	≤25mA		Connection	2m PVC cable

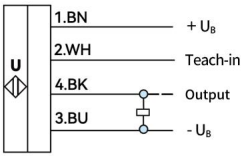
Dimension



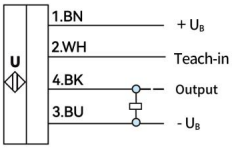
Wiring diagram



NPN Output



Analog Output



PNP Output



TTL232