Ultrasonic sensor **UR18-CC50** series



Feature Description

- M18 installation threaded sleeve, with a minimum length of 40mm
- Small blind spot and sound cone, suitable for close range fine detection
- 1 NPN or PNP switch output
- Analog voltage output 0-5/10V or analog current output 4-20mA
- Output can be changed through serial port upgrade
- Setting detection distance through teach-in lines
- Temperature compensation

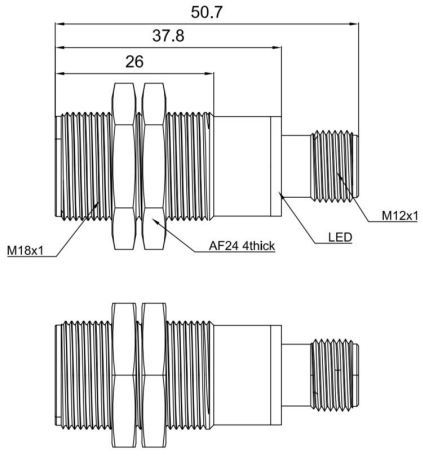
Model specifications

NPN	NO/NC	UR18-CC50DNB-E2	PNP	NO/NC	UR18-CC50DPB-E2
NPN	Hysteresis mode	UR18-CC50DNH-E2	PNP	Hysteresis mode	UR18-CC50DPH-E2
0-5V	Analog output	UR18-CC50DU5-E2	4-20mA	Analog output	UR18-CC50DI-E2
0-10V	Analog output	UR18-CC50DU10-E2			

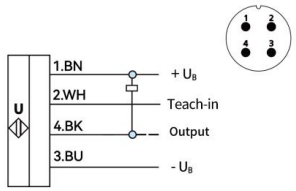
Specifications

Sensing range	40-500mm	Protection circuit	Reverse connection,digital overvoltage protection
Blind area	0-40mm	Output indication	Red LED: Always on, no target detected
Resolution ratio	0.17mm		Flashing, no target detected in teach-in state
Repeat accuracy	± 0.15% of full scale value		Yellow LED: Always on, detected target within A1-A2 range
Absolute accuracy	±1% (temperature drift compensation)		Flashing, target detected in teach-in state
Response time	50ms	Input type	With teach-in function
Switch hysteresis	2mm	Ambient temperature	-25℃…70℃（248-343K）
Switching frequency	20Hz	Storage temperature	-40℃…85℃（233-358K）
Power on delay	＜500ms	Output characteristics	Support serial port upgrade and change the output type
Working voltage	15...30VDC	Material	Copper nickel plating, glass bead filled epoxy resin
No-load current	≤25mA	Protection degree	IP67
Load resistance	U/1k Ohm	Connection	4 pin M12 connector

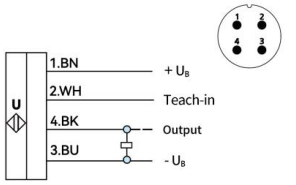
Dimension



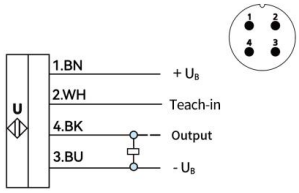
Wiring diagram



NPN Output



PNP Output



Analog Output