

Ultrasonic sensor **US40** series

Feature Description

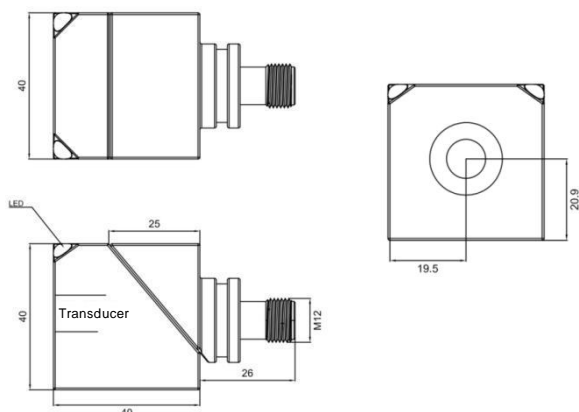
- ◆ Eatable detection in different directions
- ◆ Compact and easy to install
- ◆ 1 NPN or PNP switch output
- ◆ Analog voltage output 0-5/10V or analog current output 4-20mA
- ◆ Digital TTL output
- ◆ Setting detection distance through teach-in lines
- ◆ Temperature compensation

Model specifications

NPN NO/NC	US40-CC50DNB-E2	PNP NO/NC	US40-CC50DPB-E2
NPN Hysteresis mode	US40-CC50DNH-E2	PNP Hysteresis mode	US40-CC50DPH-E2
0-5V Analog output	US40-CC50DU5-E2	4-20mA Analog output	US40-CC50DI-E2
0-10V Analog output	US40-CC50DU10-E2	Com TTL232	US40-CC50DT-E2

Specifications

Sensing range	40-500mm	Indication	Successful learning: yellow light flashing;
Blind area	0-40mm		Learning failure: green light and yellow light flashing
Resolution ratio	0.17mm		In A1-A2 range, the yellow light is on, the green light is constantly on, and the yellow light is flashing
Repeat accuracy	±0.15% of full scale value	Input type	With teach-in function
Absolute accuracy	±1% (temperature drift compensation)	Ambient temperature	-25°C...70°C(248-343K)
Response time	50ms	Storage temperature	-40°C...85°C(233-358K)
Switch hysteresis	2mm	Characteristics	Support serial port upgrade and change the output type
Switching frequency	20Hz	Material	Copper nickel plating, plastic accessory
Power on delay	<500ms	Protection degree	IP67
Working voltage	20...30VDC	Connection	4 pin M12 connector
No-load current	≤25mA		

Dimension

Wiring diagram
