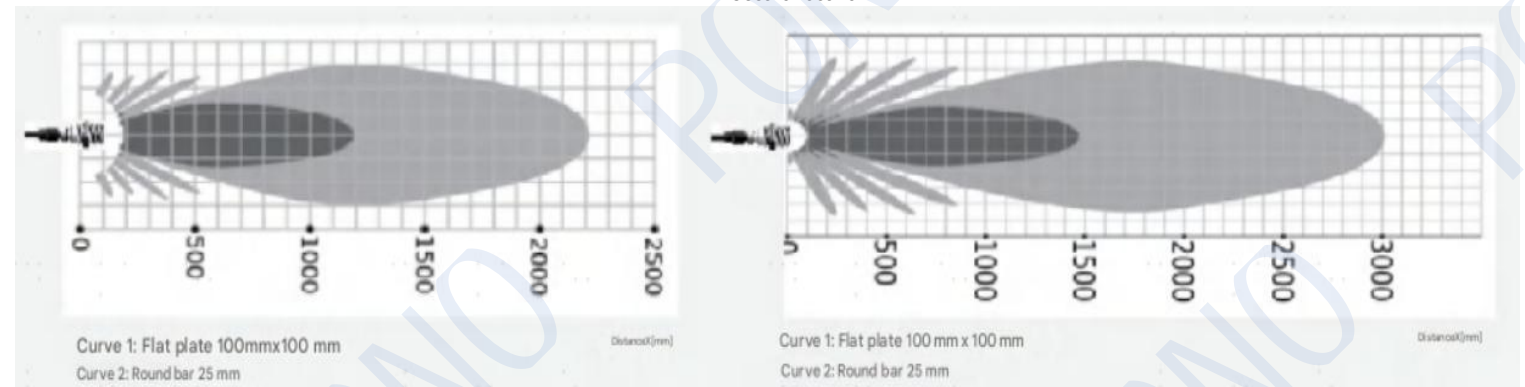**PONO**
Empowering the Future

Overview:

30GM85 is a series of ultrasonic measuring sensors. With its compact design and flexible configuration, it is widely used in robot protection, material level detection, object detection and other fields.
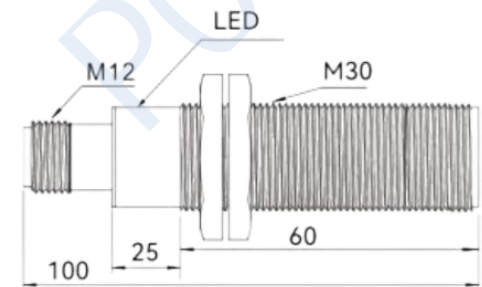
Features:

- Switching quantity, analog quantity, digital quantity and various output modes
- Support self-learning and quick installation
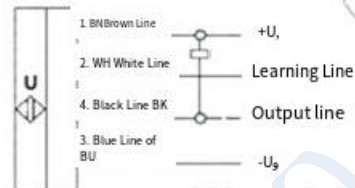- Not affected by harsh environments such as dust and water mist
- Cost-effective

Curve 1: Flat plate 100mmx100 mm
Curve 2: Round bar 25 mm

Curve 1: Flat plate 100 mm x 100 mm
Curve 2: Round bar 25 mm

Specifications:

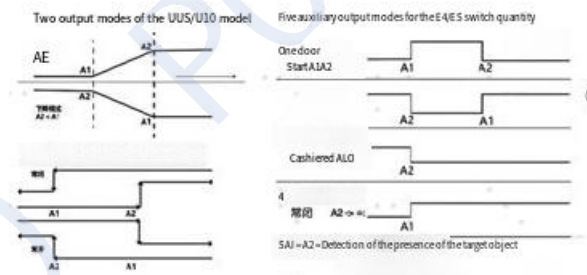| Model	30GM85-2000	30GM85--3000
Detection range	180-2000mm	180-3000mm
Blind Spot	0-180mm	0-180mm
Resolution	1mm	1mm
Repeatability	±0.15% of full -scale value	±0.15% of full-scale value
Absolute accuracy	±1% (built-in temperature drift compensation)	±1% (built-in temperature drift compensation)
Response time	100ms	110ms
Switching hysteresis	2mm	2mm
Switching frequency	10Hz	9Hz
Power-on delay	<500ms	
Operating voltage	15-30VDC	
LED Red Light	When no target is detected in the learning state, it is always on.	
LED yellow light	In normal working mode, the switch status	
LED blue light	When a target is detected in the learning state, it flashes	
LED green light	Power indicator, always on	
No-load current	≤25mA	
Input Type	With learning function	
Material	Nickel plated copper sleeve, plastic fittings, glass filled epoxy	
Protection level	IP67	
Connection Type	4 -pin M12 connector	
Ambient temperature	-25℃~+70℃(248~343K)	
Storage temperature	-40℃~+85℃(233~358K)	
Output characteristics	The output type can be changed by serial port upgrade	
Output Type	E4/E8	1 switch output npn, NO/NC/ hysteresis mode
	E5/E9	1 switch output npn, NO/NC/ hysteresis mode
	I	1 analog current output, 4-20mA
	U5/U10	1 analog voltage output, 0-5V/0-10V

Installation dimensions:

Electrical Connection:

1. BN Brown Line — +U,
2. WH White Line — Learning Line
4. Black Line BK — Output line
3. Blue Line of BU — -U₉

Output method:

Two output modes of the UUS/U10 model

Five auxiliary output modes for the E4/E5 switch quantity

SA1=A2=Detection of the presence of the target object

Note:
- Strictly ensure that the product is used within the rated specifications
- Versions and parameters will be updated without prior notice.

Order Information
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