

Ultrasonic Sensor 30m Analog Output 4 - 20mA (UB2000-30GM-I-V1)



Technical Parameters

MODEL EXPLANATION

LM 18 _ 30 05 N A □ / L
 1 2 3 4 5 6 7 8

1. Switch category	5. Output form
LM: Inductance type CM: Capacitance type SM: Hall type AM: Safety explosion-proof type RU: Ultrasonic type HM: Reed type	N: Three-wire DC NPN output P: Three-wire DC PNP output L: Two-wire DC output AC two-wire output J: Relay contact output NP: NPN+PNP double output
2. Outward appearance code	6. Output state
□: Cylinder type F□: Angular column type and plane installation type	A: Normally open (NO) B: Normally close (NC) C: Normally open-Normally close (NO+NC) Mu: Mimic voltage Mi: Mimic current Mui: Voltager+current
3. Working voltage	7. Subsidiart functions
30:6-36VDC 310:5-24VDC 320:12-60VDC 330:10-30VDC 340:10-55VDC 350:10-60VDC 360:5-36VDC 20:90-250VAC 210:24-250VAC 220:380VAC 40:12-240VDC/24-240AC 50:特殊电压: Special voltage	T: With aviation connector Y: Waterproof, oil-proof I: Special requirement H: High temp resistance R: Ring type
4. Detection distance	8. Long distance
0.1: 1mm 0.5:5mm 10:10mm 	L: Long-distance

UB2000-30GM-I-V1

Technical data

Sensing distance	80...2000mm
Adjustment range	120...2000mm
Unusable area	0...80mm
Standard target plate	100mm×100mm
Transducer frequency	About 180kHz
Response delay	About 195ms

Indicators/Operating means

LED blue	Power on
LED yellow	indication of the switching state Flashing: program function object detected
LED red	permanently red: Error Red,flashing: program function,object not detected

Electrical specifications

Operating voltage UB	10...30VDC,ripple10%ss
No-load supply current	≤900mV

Output

Output type	1 analogue output 4...20mA
Resolution	evaluation range [mm]/4000, but ≥ 0.35 mm
Deviation of the characteristic curve	≤0.2% of full-scale value
Repeat accuracy	≤0.1% of full-scale value
Load impedance	0...500Ohm
Temperature influence	≤2% from full-scale value

Mechanical specifications

Protection grade	IP67
Connection	connector(M12×1),4-pin
Material Housing	brass,nickel-plated
Transducer	epoxy resin/hollow glass sphere mixture; Polyurethane foam

