MP SENSOR

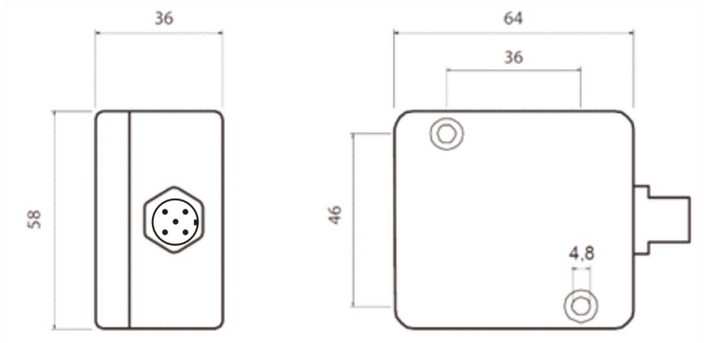
Product category	Type	Style
INCLINATION SENSOR	ANS	STANDARD -10°…10° / -45°…45° / -85°…85°

DATA SHEET | ENGLISH



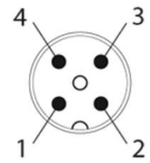
CE

DIMENSION DRAWING



ELECTRICAL CONNECTION

Pin	M12x1
1	Ub+
2	OUT 2
3	0V
4	OUT 1
5	n/c



General data

Display	4 cross line LED`s (green); 3 digit LED Display (programming support and angle display)
Protection class rating	IP68

Programming options

Outputs	axis freely selectable for each output; start and end value of the analog signal
Extended functions	reset; reset zero point;
Display	mounting direction; screen lock; LEDs/display off; display rotation
Measured value	damping

Ordering information

Article number	Adjustment range
50802010	-10°…+10°
50802045	-45°…+45°
50802085	-85°…+85°

Mechanical data

Material housing	Aluminum die-cast
Weight	200 g

Electrical data

Electrical connection	M12x1, 5-pole
Operating voltage	9…30 VDC
Current consumption	< 30 mA
Short-circuit / reverse polarity protection	yes / yes
Output signal	2x 4…20 mA

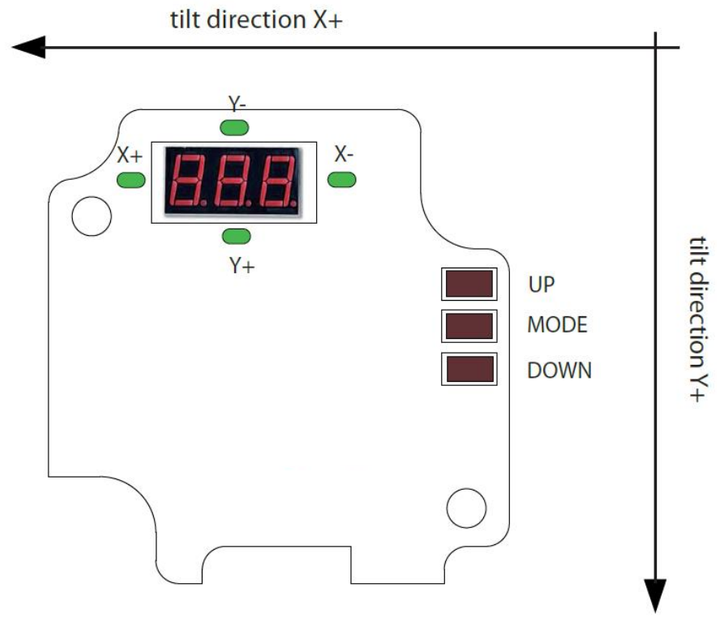
Accuracy

Repeatability of sensor typ.	0.03° or 0.1%
Resolution output	0.02°
Resolution display / settings	0.1°
Temperature drift at 0°	0.01°/°C for -20°…25°…60°C
Long-term stability	approx. 0.03°/a
Linearity typ.	± 0.2%

Operating conditions

Operating temperature	-25°…+80°C

Active tilting direction



MP-Sensor GmbH · Albstr. 13 · 73765 Neuhausen · Phone +49 (0)7158 9878490 · info@mp-sensor.de · www.mp-sensor.com · Errors and omissions excepted