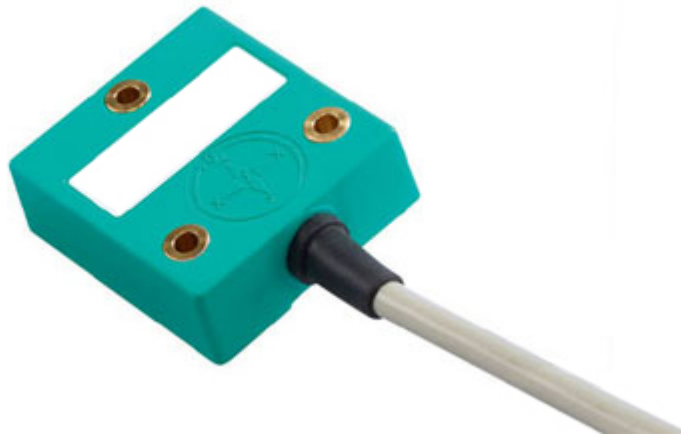




## TILTIX Inclinometer

### ACS-360-1-C901-VE2-CW



#### General Specifications

Application	1-Axis Position Monitoring and Leveling
Measurement Range	360°
Absolute Accuracy	±0.10°
Resolution	0.01°

#### Electrical Specifications

Supply Voltage	10 - 30 VDC
Current Consumption	≤ 65 mA @ 10 V DC, ≤ 60 mA @ 24 V DC
EMC: Emitted Interference	DIN EN 61000-6-4
EMC: Noise Immunity	DIN EN 61000-6-2
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
MTTF	350 years @ 40 °C

#### Environmental Specifications

Operating Temperature	-30 °C fixed (-22 °F), -5 °C flexible (+23 °F) - +80 °C (+176 °F)
Storage Temperature	-40 °C (-40 °F) - +85 °C (+185 °F)
Temperature Gradient	0.004°/ K
Protection Class	IP66/IP67
Shock Resistance	≤ 100 g (half sine 6 ms, EN 60068-2-27)

Data Sheet

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Vibration Resistance	1.5 mm (10 Hz - 58 Hz) & ≤ 20 g (58 Hz to 2000 Hz)
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### Mechanical Specifications

Housing Material	Fibre-Reinforced PBT (Polybutylene Terephthalate)
Potting Material	PUR (Polyurethane)
Weight	170 g (0.37 lb)

### Interface

Interface	J1939
Settling Time	150 ms
Output Driver	Transceiver (ISO 11898), Galvanically Isolated by Opto-Coupl
Transmission Rate	125 kBaud, 250 kBaud, 500 kBaud
Default Transmission Rate	250 kBaud
Default Node ID	C0h

### Electrical Connection

Connection Type	Cable 1 m
Cable Length	1 m [39"]
Wire Cross Section	0.14 mm <sup>2</sup> / AWG 26
Material / Type	PVC
Cable Diameter	6 mm (0.24 in)
Minimum Bend Radius	46 mm (1.81") fixed, 61 mm (2.4") flexing

### Product Life Cycle

Product Life Cycle	New
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### Certification

Approval	CE + cULus
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### Connection Plan

SIGNAL	CABLE COLOR
Power Supply	Red
GND	Yellow
CAN High	White
CAN Low	Brown

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CAN GND	Green
Not Connected	Blue
Not Connected	Gray
Not Connected	Pink
Shielding	Shield

## Dimensional Drawing

### [2D Drawing](#)

**Got questions? Need an individual solution? We are here to help!**



Contact Us

All dimension in [inch] mm. This drawing and the information contained is for general presentation purposes only. Please refer to the "Download" section for detailed technical drawings. © FRABA B.V., All rights reserved. We do not assume responsibility for technical inaccuracies or omissions. Specifications are subject to change without notice.