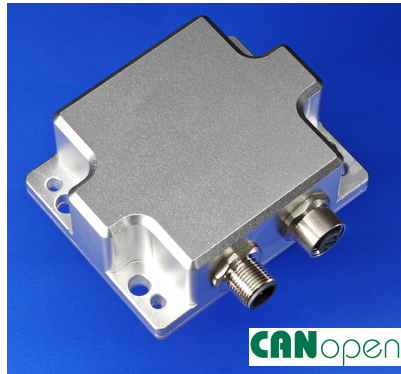


XY-CAN-EF

CANopen 3-axis INCLINOMETER



XY-CAN-EF is the 3-axis inclinometer sensor with CANopen protocol. The sensor can be used for measuring the lateral (X), longitudinal (Y) and vertical (Z) angle with respect to gravity. It can also simultaneously operate as a 360° (H) sensor in XY plane. Inclination measurements are based on the high accuracy accelerometer IC.

Technical details:

- 3-axis measuring for XYZ inclination
 - Precise measuring in all positions
 - Programmable selectable zero position
- Sensor measures also a full 360° of orientation in XY plane
 - Precise measuring range $\pm 180^\circ$
- Accuracy better than $\pm 0.2^\circ$, typically $\pm 0.1^\circ$
 - Actual reading resolution up to 0.01°
- XY-CAN-EF is nearly immune to vibration
- Filtered measuring, adjustable time constant
- Temperature compensated measuring
- Two M12 connectors for CAN-bus IN/OUT
 - Standard CANopen connector pinout on request
- CAN-bus interface (ISO11898)
 - Baudrate up to 1Mbit/s
 - CANopen according to CiA DS 301 V4.02
 - Inclinometer device profile DSP 410 V1.1
 - Supports Layer Setting Services DSP 305 V2.0
- Operating voltage 9...30V DC
- Protected against overvoltage and faulty voltage polarity
- Power consumption max. 0.5 Watt (typical current 28mA@12V, 16mA@24V)
- Operating temperature range -40°C ... $+80^\circ\text{C}$
- Storage temperature range -50°C ... $+90^\circ\text{C}$
- Protection class IP 67
- Aluminium housing (Silver color anodizing)
- Dimensions without connectors 82 x 66 x 32 (mm)
- Weight ~275g

Technical features are subject to change without notice.