QG30 INCLINATION SENSOR, SINGLE AXIS

QG30-KI-010E-AV-K
Inclination sensor, +/-10°, 0,5-4,5 V, single axis



- Single axis
- ±10°, ±30° or ±90°, other measuring ranges available
- Output 0,5-4,5 V or 4-20 mA
- IP67 rated

PRODUCT DESCRIPTION

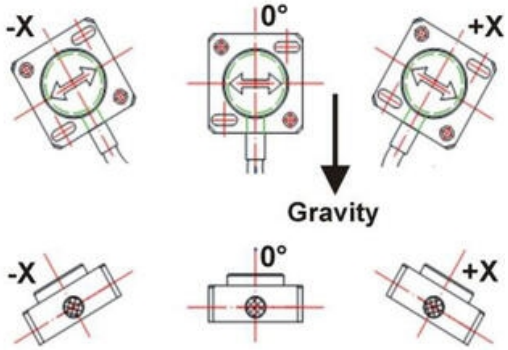
QG-series inclinometers measure the angle with respect to the direction of the force of gravity in one or two axes. Inclinometers from the DIS Sensors QG series are based on robust MEMS technology, and their modular design makes it easy to optimize each sensor for a specific application. What's more, for certain models, the handy configurator enables the end customer to easily adjust the sensor according to preference.

Inclinometers are used in various applications where angle measurement is crucial, such as concrete pumps, cranes, elevated work platforms, solar panels, air suspension systems and agricultural machinery. Housing options include plastic, aluminium and stainless steel.

Technical specifications

Inclination sensor, single axis	±10°, ±30°, ±90°, 360°, measuring range also programmable
Inclination sensor, twin axis	±10°, ±30°, ±90°, measuring range also programmable
Acceleration sensors	±0,26 G...±16 G
Supply voltage	5 V DC or 10-30 V DC
Output	0,5-4,5V or 4-20 mA, PNP/NPN, CANopen, ask for PNP/NPN types
Resolution	Up to 0,003 G
Housing protection	IP67

Measurement orientation

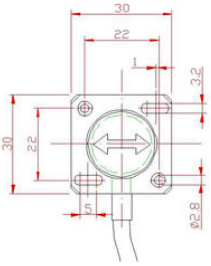


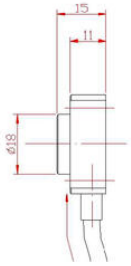
SPECIFICATIONS

TECHNICAL DATA

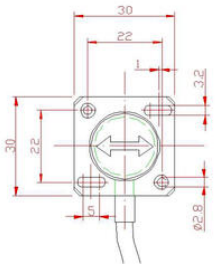
Measuring Range	±10°
Number of axis	1
Output	0,5-4,5 V
Connection Thread	Cable
Voltage DC max	30 V
Voltage DC min	10 V
IP Class	IP67
Central Material	Plastic
Width	30 mm
Length	30 mm
Height	15 mm
Resolution	0.03 °
Temperature effect	0.01 °/K
Temperature range from	-25 °C
Temperature range to	85 °C
Approvals	CE

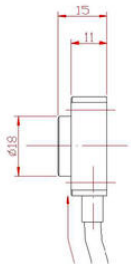

Measurement orientation
X
+
X
-
+


30
22
1
3.2
30
22
5
Ø2.8


15
11
Ø18


Measurement orientation
X
+
X
-
+


30
22
1
3.2
30
22
5
Ø2.8


15
11
Ø18