

EC - SNR - 3030 - H

Dual axis inclinometer (tilt device)

Description

Absolute dual axis inclinometer sensor based on earth's gravity.

Operation

Signal outputs are linearly proportional to the tilt angle to the ground. With a measurement range of $\pm 30^\circ$ this device provides a 0.5 to 4.5Vdc output signal over its range with a nominal 2.5Vdc at 0 degree. It is normally used to control the planarity of chassis or mechanical structure respect to the earth line.

Features

- Supply line is protected against reversed polarity and load dump
- Outputs are protected against short circuits to GND and supply
- Microprocessor based
- Vibration and shock resistant
- Anti-debouncing software filter
- CE certification

Specifications

- | | |
|------------------------------------|---------------------------|
| ● Operating voltage: | 8.5 - 30 Vdc |
| ● Max current consumption: | 20 mA |
| ● Output signal: | 0.5 - 2.5 - 4.5 Vdc |
| ● Max current output: | 10 mA |
| ● Max working angle for each axis: | $\pm 30^\circ$ |
| ● Resolution: | 0,10° |
| ● Operating temperature: | -40 / +125 °C |
| ● Degree of protection: | IP 68 |
| ● Connector type | Deutsch DT04-4P
or M12 |
| ● Fixing screws included | 4 - M4x35 |

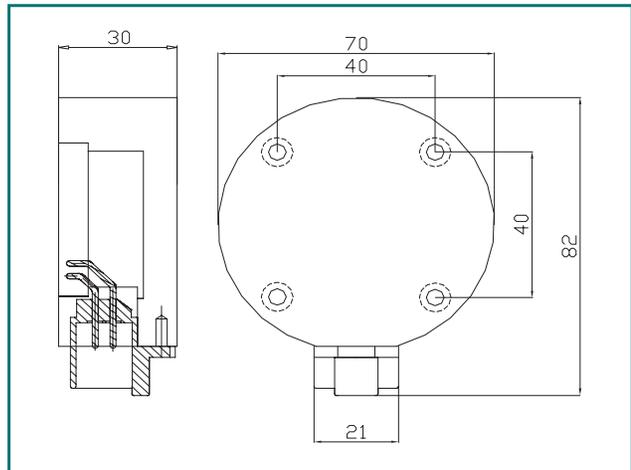
Applications

- 12 Vdc and 24 Vdc systems
- Automatic self levelling system for trucks, agricultural machines and lift equipment
- Vehicle tilt monitoring

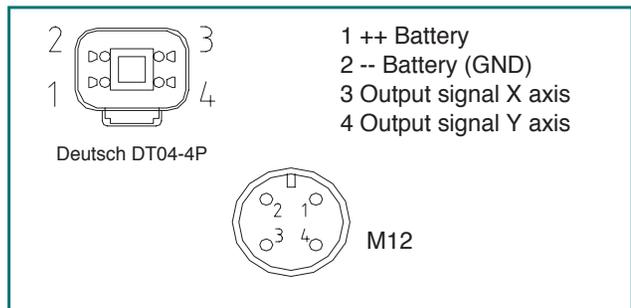
Ordering code: **20.0401.012** (with Deutsch connector)
 20.0401.019 (with M12 connector)



Dimensions



Connections



WARNING: The specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.