

CASCED Controlled English Translation

Source file: 位置/倾角传感器/CDN542电压双轴倾角传感器.pdf

Original diagrams and page relationships are retained in the paired source PDF. The following English text is the controlled translation and data transcription.

CDN542 Compact Dual-Axis Voltage-Output Inclinometer

Model: CDN542

Product family: Position and Presence Sensing

Category: Inclinometers



Overview

Compact, cost-oriented MEMS dual-axis inclinometer with selectable voltage output.

Features

- Dual-axis measurement
- 0–5 V or 0–10 V output
- Industrial temperature range
- IP67 enclosure

Applications

- Orientation measurement
- Solar tracking
- Antenna positioning
- Laser leveling
- Vehicle chassis measurement

Technical Specifications

Specification	Source value
Measurement ranges	$\pm 10^\circ$; $\pm 30^\circ$; $\pm 60^\circ$; $\pm 90^\circ$

Specification	Source value
Accuracy	0.1° to ±60°; 0.2° at ±90°
Resolution	0.01°
Supply	10–35 VDC
Operating/storage temperature	-40°C to +85°C / -55°C to +100°C
Enclosed dimensions	90×40.5×26 mm
Models	CDN542-05; CDN542-010

Source-Control Status

Ready