

CASCED Controlled English Translation

Source file: 位置/倾角传感器/CD0642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.

CDO642 Dual-Axis Voltage-Output Inclinometer

Model: CDO642

Product family: Position and Presence Sensing

Category: Inclinometers



Overview

MEMS dual-axis inclinometer with configurable 0–5 V or 0–10 V output over a selected angular span.

Features

- Dual-axis measurement
- Configurable voltage scaling
- RS-232 service interface
- IP67 enclosure

Applications

- Automatic leveling
- Medical machinery
- Solar tracking
- Cranes
- Tower and structural monitoring

Technical Specifications

Specification	Source value
Measurement range	Up to $\pm 90^\circ$
Accuracy	0.05°

Specification	Source value
Resolution	0.001°
Zero temperature drift	±0.005°/°C
Supply	12–35 VDC
Output	0–5 V or 0–10 V
Models	CDO642-90-05; CDO642-90-10

Source-Control Status

Ready