

CASCED Controlled English Translation

Source file: 位置/倾角传感器/CD0640电流双轴倾角传感器.pdf

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

CDO640 Dual-Axis Current-Output Inclinometer

Model: CDO640

Product family: Position and Presence Sensing

Category: Inclinometers



Overview

MEMS dual-axis inclinometer with selectable industrial current output and measurement range up to $\pm 90^\circ$.

Features

- Dual-axis measurement
- 0–20 mA, 4–20 mA, or 0–24 mA output
- IP67 enclosure

Applications

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

Technical Specifications

Specification	Source value
Measurement ranges	$\pm 10^\circ$; $\pm 30^\circ$; $\pm 60^\circ$; $\pm 90^\circ$
Accuracy	0.05°
Resolution	0.001°

Specification	Source value
Supply	12–35 VDC
Startup time	≤50 ms
Models	CDO640-90-420; CDO640-90-020; CDO640-90-024

Source-Control Status

Ready