

CASCED Controlled English Translation

Source file: 位置/倾角传感器/CD0630电流单轴倾角传感器.pdf

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

CDO630 Single-Axis Current-Output Inclinometer

Model: CDO630
Product family: Position and Presence Sensing
Category: Inclinometers



Overview

MEMS single-axis inclinometer with selectable industrial current output and measurement range up to $\pm 180^\circ$.

Features

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

Applications

- Automatic leveling
- Medical machinery
- Solar tracking
- Cranes
- Tower monitoring
- Structural deformation monitoring

Technical Specifications

Specification	Source value
Measurement ranges	$\pm 10^\circ$; $\pm 30^\circ$; $\pm 60^\circ$; $\pm 90^\circ$; $\pm 180^\circ$

Specification	Source value
Accuracy	0.05°
Resolution	0.001°
Supply	12–35 VDC
Operating/storage temperature	-40°C to +85°C / -55°C to +100°C
Enclosed dimensions	90×40.5×26 mm
Models	CDO630-180-420; CDO630-180-020; CDO630-180-024

Source-Control Status

Ready