

CASCED Controlled English Translation

Source file: 位置/倾角传感器/CDJ732电压单轴倾角传感器.pdf

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

CDJ732 High-Accuracy Single-Axis Inclinometer

Model: CDJ732

Product family: Position and Presence Sensing

Category: Inclinometers



Overview

MEMS single-axis inclinometer with voltage output for precision static tilt measurement.

Features

- Single-axis measurement
- 0–5 V or 0–10 V output
- Automatic compensation and filtering
- IP67 enclosure

Applications

- Wind-turbine tower monitoring
- Bridge and dam monitoring
- Rail-gauge leveling
- Surveying
- Platform leveling
- Construction machinery

Technical Specifications

Specification	Source value
Measurement ranges	$\pm 5^\circ$; $\pm 15^\circ$; $\pm 30^\circ$

Specification	Source value
Accuracy at room temperature	0.005°
Resolution	0.0007°
Zero temperature drift	±0.0007°/°C from -40°C to +85°C
Supply	12–35 VDC
Output	0–5 V or 0–10 V; RS-232 service interface
Output rate	5–100 Hz adjustable
Operating/storage temperature	-40°C to +85°C / -55°C to +100°C
Shock	2000 g, 3 times per axis
Enclosed dimensions	103.8×55.4×26 mm
Bare-board dimensions	68×48×12 mm; length/width tolerance ±1 mm
Models	CDJ732-30-05; CDJ732-30-010

Source-Control Status

Ready