

CASCED Controlled English Translation

Source file: 位置/倾角传感器/CDJ740-R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.

CDJ740-R High-Accuracy Dual-Axis Modbus Inclinometer

Model: CDJ740-R

Product family: Position and Presence Sensing

Category: Inclinometers

Overview

MEMS dual-axis inclinometer with serial/Modbus communications for precision static tilt measurement.

Features

- Dual-axis measurement
- RS-485, RS-232, or TTL communication
- 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	$\pm 5^\circ$; $\pm 15^\circ$; $\pm 30^\circ$
Accuracy at room temperature	0.005°
Resolution	0.0007°
Cross-axis error	0.005°
Supply	12–35 VDC
Output rate	5–100 Hz adjustable

Specification	Source value
Baud rate	2400–115200 adjustable
Operating/storage temperature	-40°C to +85°C / -55°C to +100°C
Models	CDJ740-R485; CDJ740-R232; CDJ740-TTL

Source-Control Status

Review required — narrative incorrectly says current output although the product is described as Modbus/serial output.