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EVAL-CN0357-ARDZ



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My Analog

EVAL-CN0357-ARDZ

Arduino Compatible Electrochemical Gas Detection
Circuit (CN0357)

Overview

Documentation

Software

Related Hardware

Buy



User Guides

View All

Evaluation
Software

View All

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Integration
Files

Features

- Form Factor Compatible with Arduino
- Programmable for multiple other gases
- Resolution down to 1ppm
- Low power, single supply operation

Markets & Technology

Aerospace and Defense

- Avionics
- Unmanned Systems

Applicable Parts

- [AD7790](#)
- [ADA4528-2](#)
- [AD8500](#)
- [AD5270](#)
- [ADR3412](#)

Package Contents

- EVAL-CN0357-ARDZ Board
- CO Electrochemical Sensor
- Design Support CD

Product Details

CN0357 single-supply, low noise, portable gas detector circuit using an electrochemical sensor. The Alphasense CO-AX carbon monoxide sensor is used in this example. Electrochemical sensors offer several advantages for instruments that detect or measure the concentration of many toxic gases. Most sensors are gas specific and have usable resolutions under one part per million (ppm) of gas concentration.



- 3 See All
- 1 User Guides
- 1 Circuit Notes
- 1 Videos

CN0357 Shield Evaluation Board User Guide

WIKI

CN0357: Low Noise, Single-Supply, Toxic Gas Detector, Using an Electrochemical Sensor with Programmable Gain TIA for Rapid Prototyping

PDF

216.27 K

ADICUP360 - Complete Sensor to Cloud IoT Development Kit

The EVAL-ADICUP360 is a complete IoT framework for rapid sensor-to-cloud application development. Supporting Arduino and...

Software



- 2 See All
- 2 Evaluation Software

CN0357 C Project using ADICUP360

WIKI

Example Projects using CN0357

Related Hardware



Development Platform

EVAL-ADICUP360

Arduino form factor compatible ARM Cortex-M3 Development Platform

Buy



Evaluation Boards

Pricing displayed is based on 1-piece.

Model	Description	Price	RoHS
EVAL-CN0357-ARDZ Production	Evaluation Board		Yes

Pricing displayed is based on 1-piece. The USA list pricing shown is for budgetary use only, shown in United States dollars (FOB USA per unit), and is subject to change. International prices may vary due to local duties, taxes, fees and exchange rates.

15,000

Problem Solvers

4,700+

Patents Worldwide

125,000

Customers

50+

Years

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