iDAQ™ Data-Logger
4/8 Channel, 4-20mA Current Inputs

DESCRIPTION

The CU-04 and the CU-08 are compact, four and eight channel 4-20mA data-loggers respectively. They offer high resolution, high accuracy readings and are compatible with a wide range of sensors. Converters have both Wi-Fi and USB interfaces, which is ideal for remote monitoring applications. Each unit incorporates a powerful webserver and only requires a web browser to funciton. All units include 256Kb of internal memory for stand-alone operation.
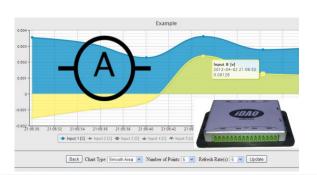
APPLICATIONS

- Environmental monitoring
- HVAC and refrigeration
- Smart metering
- Eco home validation
- Building management
- Heating installations
- Cold chain monitoring
- Many more...

LIVE DEMO:

Available on request

Key Features

- Measuring range ±100mA
- High resolution (10μA) and accuracy (0.1%)
- USB 2.0 and Wi-Fi Interface - ideal for remote monitoring applications
- Internal memory for stand-alone operation
- Multiple email alerts
- Compact, robust design

Specifications

	CU-04	CU-08
Input type	4-20mA	
Number of inputs	4	8
Measuring range	±100mA	
Accuracy at 25 ºC	0.1%	
Input Resolution	10μA	
Converter resolution	22 bits	
Conversion time	72ms per channel	
Internal Memory	256Kb	
Input connectors	3.5mm Screw terminals	
Input impedance	>> 1 MΩ	
Interface	USB 2.0 and Wi-Fi	
Supply	5VDC (100mA)	
Temperature range	0 ºC to 70 ºC operating -20 ºC to +80 ºC storage	
Humidity range	20% to 90% RH, non-condensing, operating 5% to 95% RH, non-condensing, storage	
Dimensions	92mm x 51mm x 18.3mm	

Ordering Information

Part No.	Description
CU-04	CU-04 Data-Logger with Wi-Fi and USB 2.0. Measures up to four 4-20mA current inputs.
CU-08	CU-08 Data-Logger with Wi-Fi and USB 2.0. Measures up to eight 4-20mA current inputs.

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