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WHEN MEASUREMENTS MATTER

LLAC4

4-Channel Low-Level AC-Conversion Module

Expands Capacity

Increases number of signals datalogger can monitor

Overview

The LLAC4 is a small peripheral that increases the number of low-level ac signals a datalogger can monitor. The LLAC4 is often used to measure up to four anemometers, and it is especially useful for wind profiling applications.

Benefits and Features

- Ideal for applications that require high numbers of pulse channels, but fewer control ports, such as in wind prospecting

Technical Description

The LLAC4 enables four datalogger control ports to emulate pulse-counting channels by converting the low-level ac signals to logic levels read by the control ports.

Minimum AC Input Voltage versus Output Square Wave Frequency

Input Sine Wave (mV RMS)	Output Range (Hz)
20	1.0 to 20
200	0.5 to 200
2000	0.3 to 10,000
5000	0.3 to 20,000

Specifications

Function	Increases the number of low-level ac signals that a data logger can monitor.
Number of Channels	4
Power	0.1 mA (@ 12 Vdc)
Input Hysteresis	16 mV (@ 1 Hz)
AC Coupling Removal of DC Offset	≤ ±0.5 V
Maximum AC Input Voltage	±20 V
Cable Length	0.6 m (2 ft)

For comprehensive details, visit: www.campbellsci.eu/llac4

Dimensions	5.4 x 11.2 x 2.5 cm (2.1 x 4.5 x 1.0 in.) with base mounting flanges
	5.4 x 8.0 x 2.5 cm (2.1 x 3.1 x 1.0 in.) without base mounting flanges
Weight	92 g (3.2 oz)