

For Immediate Release

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Phidget's very popular 1018 - PhidgetInterfaceKit 8/8/8 now supports variable data acquisition rates on the analog inputs.

Sampling speed can be set at 1ms, 2ms, 4ms, 8ms and multiple of 8ms up to 1000ms.

CALGARY, Alberta, April 1, 2010 — Phidgets Inc. released today a new version of the 1018 - PhidgetInterfaceKit 8/8/8 which lets the user set the data acquisition rate on any of the analog inputs.

"As more and more customers are using the 1018 for data acquisition and control, we felt that we should provide them with a simple way of setting up the rate at which they wish to collect data." says Chester Fitchett, CEO of Phidgets.

"They can now set sampling rates from 1ms, 2ms, 4ms, 8ms and multiple of 8ms up to 1000ms for each analog input on the board, and we can guarantee that the sampling will occur at the specified time.", added Chester.

One of the ground terminal block of both the digital inputs and the analog outputs have been replaced by a 5 Volt terminal block.

Product Specifications

Analog Inputs

Impedance: 900K ohms

5V Reference Error: Max 0.5%

Update Rate: 1000 samples/second max for 4 channels

500 samples/second max for all 8 channels

Digital Inputs

Pull-Up Resistance: 15K ohms

Low voltage (True): 1.25V Max

High Voltage (False): 3.75V Min

Maximum Voltage: $\pm 15V$

Update Rate: ~125 samples/second

Recommended Wire Size: 16-26 AWG

Wire Stripping: 5-6mm strip

Digital Outputs

Series Resistance: 300 ohms

Update Rate: ~125 samples/second

Recommended Wire Size: 16-26 AWG

Board

USB-Power Current Specification: Max 500 mA

Quiescent Current Consumption: 13 mA

Available External Current (source): 487 mA

Software Environment

“Unlike a lot of our competitor’s products that require their users to write some firmware code in order to use their sensors, we are completely “Plug and Play” says Bernard Rousseau, Director of Marketing. “With Phidgets, you plug it in and start using it and when it comes to programming, the user, not us, decides which operating system and which computer language he wants to use”, added Rousseau.

Users can program Phidgets using a simple yet powerful and well documented Application Programming Interface (API) that is supported under Windows (2000, XP, Vista), Windows CE, Mac OS X, and Linux. Users can write programs in Visual Basic, VB.NET, C#, C/C++, Flash/Flex, Java, Labview, Matlab, ActionScript 3.0, and Cocoa.

Phidgets also provides programming examples for all its products to help programmers write their own programs. The API Libraries as well as the examples and the documentation are available at no charge on www.Phidgets.com.

Pricing and Availability

The new version of the 1018 - PhidgetInterfaceKit 8/8/8 is available now. The suggested resale price remains at \$80.00 Canadian.

About Phidgets

Phidgets, Inc. is a technology leader in the design and manufacture of low-cost control and sensing modules connected to personal computers through the USB port. Phidgets products are ideally suited for fast prototyping. The privately held company is based in Calgary, Alberta, Canada.

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