

For Immediate Release

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The 1018 PhidgetInterfaceKit 8/8/8 now has built-in hardware noise filtering on the Digital Inputs

CALGARY, Alberta, May 20, 2008 — Phidgets Inc. announced that the new version of the 1018 PhidgetInterfaceKit 8/8/8 now has a Digital Input Hardware Filter that eliminates false triggering from electrical noise. The digital input is filtered by a 2-stage filter, rejecting noise of higher frequency than 1Khz. This filter generally eliminates the need to shield the digital input from inductive and capacitive coupling likely to occur in wiring harnesses'

"The 1018 is one of our most popular product and the addition of noise filtering on the Digital Inputs will make it a lot easier for the programmer to assess the validity of the data coming in." says Chester Fitchett, CEO of Phidgets.

The 1018 comes with:

- 8 Analog Inputs
- 8 Digital Inputs – with hardware noise filtering
- 8 Digital Outputs

The Analog Inputs are used to measure continuous quantities such as temperature, humidity, position, pressure, etc. Phidgets Inc. offers a wide variety of analog sensors that plugs directly into the 1018.

The Digital Inputs are used to convey the state of push buttons, limit switches, relays, etc.

The Digital Outputs can be used to drive LEDs, Solid State Relays, transistors, etc.

Product Specifications

Analog Input Impedance: 900K ohms

Digital Output Series Resistance: 300 ohms

Digital Input Pull-Up Resistance: 15K ohms

Analog Input Update Rate: ~65 samples/second

Digital Output Update Rate: ~125 samples/second

Digital Input Update Rate: ~125 samples/second

Digital Input Recommended Wire Size: 16 – 26 AWG

Digital Output Recommended Wire Size: 16 – 26 AWG

Digital Input Wire Stripping: 5-6mm strip

USB-Power Current Specification: Max 500mA

Quiescent Current Consumption: 13mA

Available External Current (source): 487mA

Software Environment

“Unlike a lot of our competitor’s products that require their users to write some firmware code in order to use their sensor, 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 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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