

## **For Immediate Release**

### **Contact:**

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**The new 1048 - PhidgetTemperatureSensor 4-Input lets you connect up to 4 stripped leads thermocouples and get the temperature in °C for K, J, E, and T-Type thermocouples.**

**The sensor connects directly to a computer's USB port.**

**CALGARY, Alberta, April 29, 2010** — Phidgets Inc. released today the 1048 - PhidgetTemperatureSensor - 4 Input which can take up to 4 thermocouples with stripped ends that connect to the board's terminal blocks.

"We already sell a TemperatureSensor which accepts a Thermocouple with a Subminiature Flat Pin connector, and we decided to design a new board that would allow customers to use cheaper thermocouples with stripped ends that can be plugged directly into the board's terminal blocks." says Chester Fitchett, CEO of Phidgets.

"For those who only need a single thermocouple, the 1051 - PhidgetTemperatureSensor - Thermocouple input is a good solution at \$60.00 CAD." says Bernard Rousseau, Director of Marketing. "The new version of the 1051 which is coming out soon, also uses terminal blocks for connecting the thermocouple to the board." Added Rousseau.

Users who prefer to use thermocouples with a miniature male connector can use a thermocouple adapter with stripped ends on one side and a female miniature female connector on the other.

## **Product Specifications**

### **Electrical**

USB Power Current Specification: 100mA

Device Current Consumption: 25mA

USB Device Voltage: 4.75 - 5.25 VDC

### **Accuracy**

Temperature Update Rate: 25 samples/second

Ambient Temperature Resolution:  $\pm 0.5^{\circ}\text{C}$

Thermocouple Resolution ( $^{\circ}\text{C}$ ):  $0.1^{\circ}\text{C}$  (K-type @  $25^{\circ}\text{C}$ )

Thermocouple Resolution ( $\mu\text{V}$ ):  $4\mu\text{V}$

Thermocouple Accuracy:  $2^{\circ}\text{C}$  (K-type)

Typical Noise:  $0.02^{\circ}\text{C}$  standard deviation

### **Typical Thermocouple Temperature Range**

E-Type:  $-200^{\circ}\text{C}$  to  $+900^{\circ}\text{C}$

J-Type:  $-40^{\circ}\text{C}$  to  $+750^{\circ}\text{C}$

K-type:  $-200^{\circ}\text{C}$  to  $+1200^{\circ}\text{C}$

T-Type:  $-200^{\circ}\text{C}$  to  $+350^{\circ}\text{C}$

### **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](http://www.Phidgets.com).

### **Pricing and Availability**

The 1048 - PhidgetTemperatureSensor 4-Input is available now. The suggested resale price is \$100.00 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 well suited for fast prototyping and non-critical commercial applications. The privately held company is based in Calgary, Alberta, Canada.

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