

# What We Know about PHIDGETS

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## Phidget 1048 temperature control

### Here's what Marko (the force behind Artisan) said about Phidgets in June 2013

*The Phidgets are up to now the fastest (in terms of communication speed) and cheapest 4 channel option. They are also the only devices that communicate directly via USB instead of the slow and error prone serial2USB connection all other meters are using. Phidgets are supported by Artisan from v0.7 on. From Artisan v0.8 on Phidgets can be remote accessed too, via Ethernet networking or WiFi using another computer or a [Phidget SBC](#). The Phidgets InterfaceKits (eg. SBC and 1018) are now also supported.*

#### *Phidgets*

- [Phidget 1048 4-Temperature Input](#)
  - Four J/K/E/T-Type probes
  - USB Interface with [custom driver for Windows, Mac and Linux](#)
  - USB-powered
  - Pure electronics board without display or memory. Case available.
  - Probe wires have to be directly connection to the terminal blocks

### Purchase a Phidget 1048

Directly from Phidgets in Canada

[http://www.phidgets.com/products.php?product\\_id=1048](http://www.phidgets.com/products.php?product_id=1048)

Be sure to spend the extra on the enclosure:

[http://www.phidgets.com/products.php?product\\_id=3827\\_0](http://www.phidgets.com/products.php?product_id=3827_0)

You can also get the Phidgets from Mill City Roasters:

<https://millcityroasters.com/shop/roaster-accessories/phidget-1048-thermocouple-usb-interface/>

### Phidgets 1048 User Guide

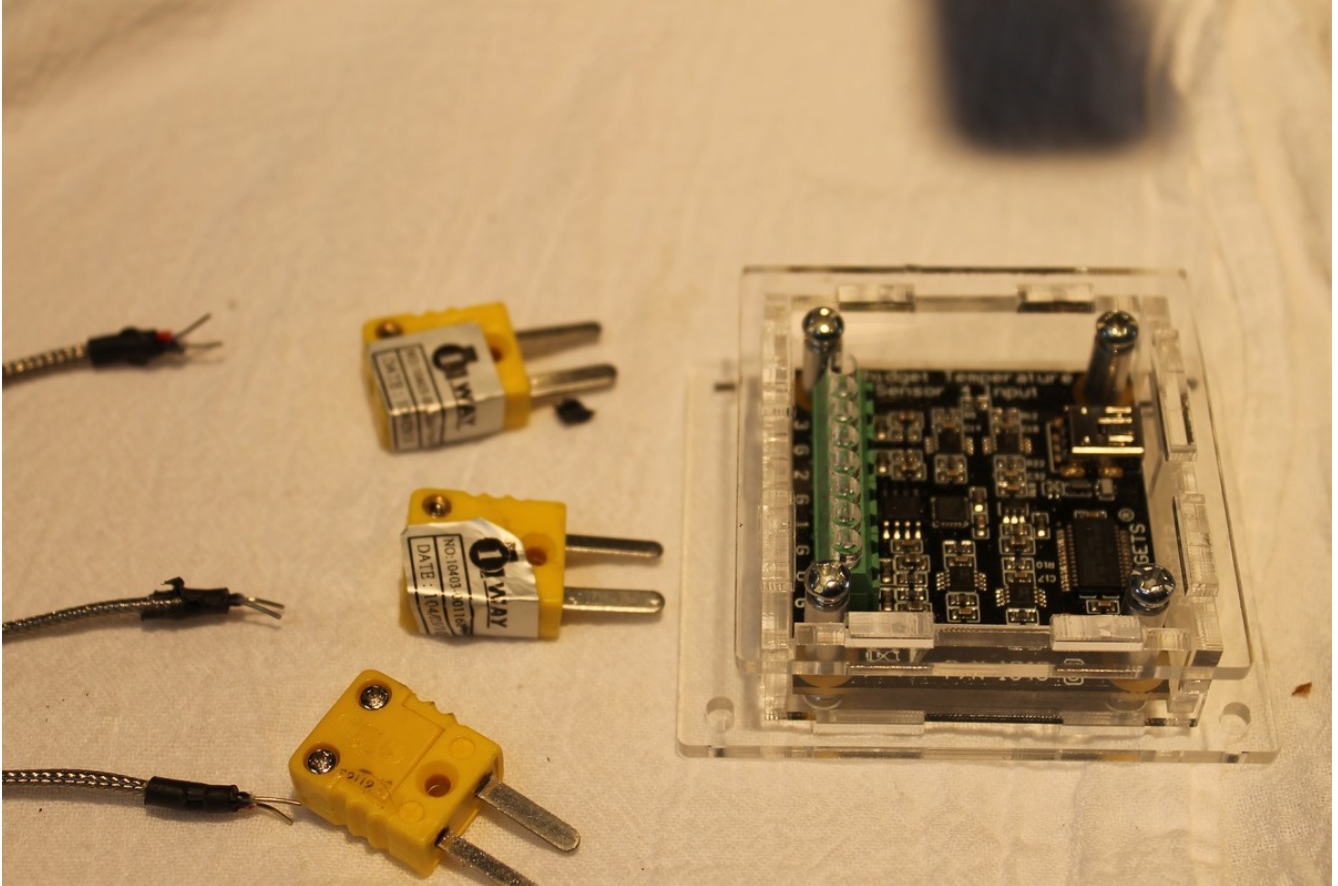
[http://www.phidgets.com/docs/1048\\_User\\_Guide](http://www.phidgets.com/docs/1048_User_Guide)

### Guide for putting the Acrylic Enclosure Together

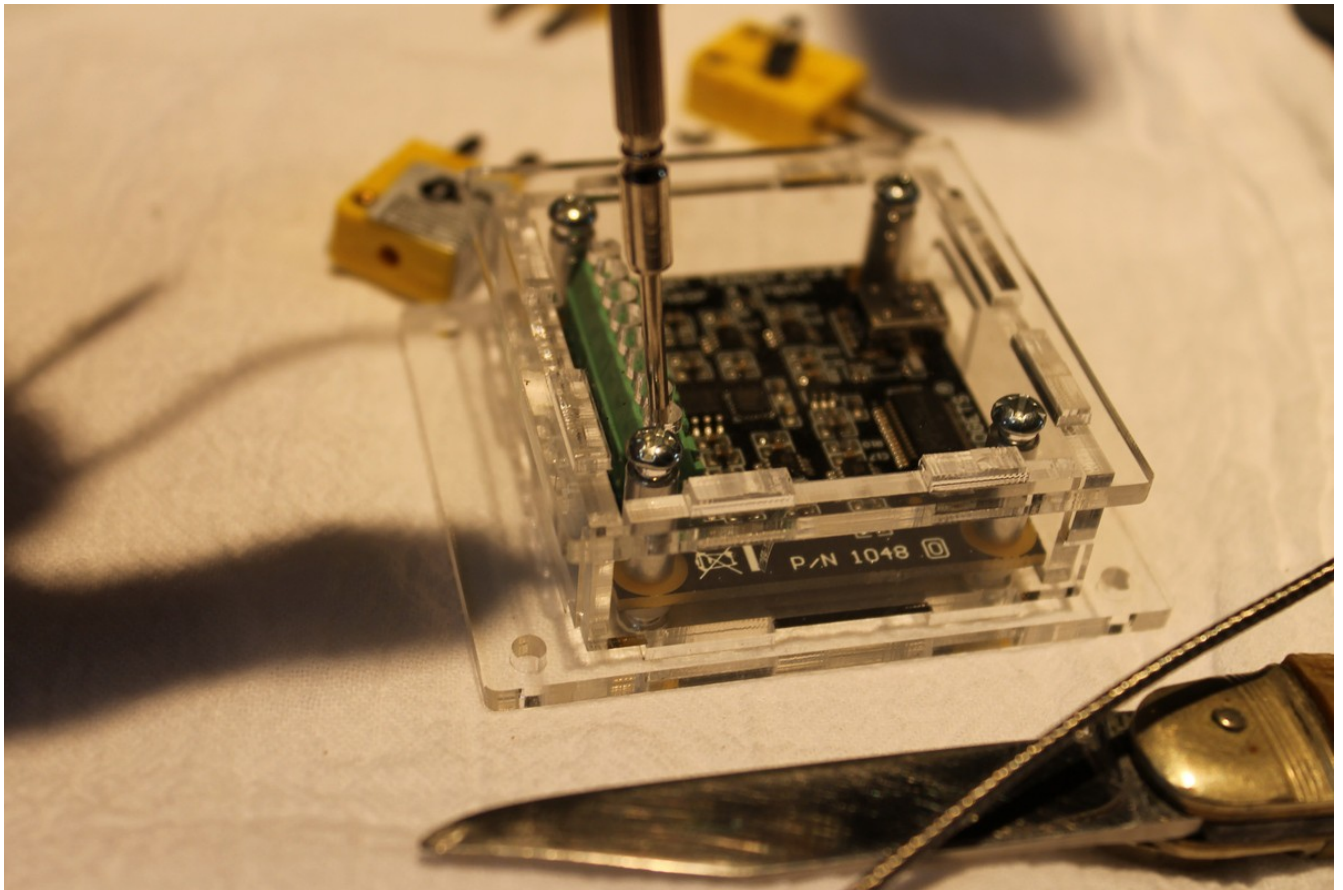
[http://www.phidgets.com/documentation/Phidgets/3810\\_0\\_AssemblyGuide.pdf](http://www.phidgets.com/documentation/Phidgets/3810_0_AssemblyGuide.pdf)

## Wiring your Phidget between your HUKY and your computer

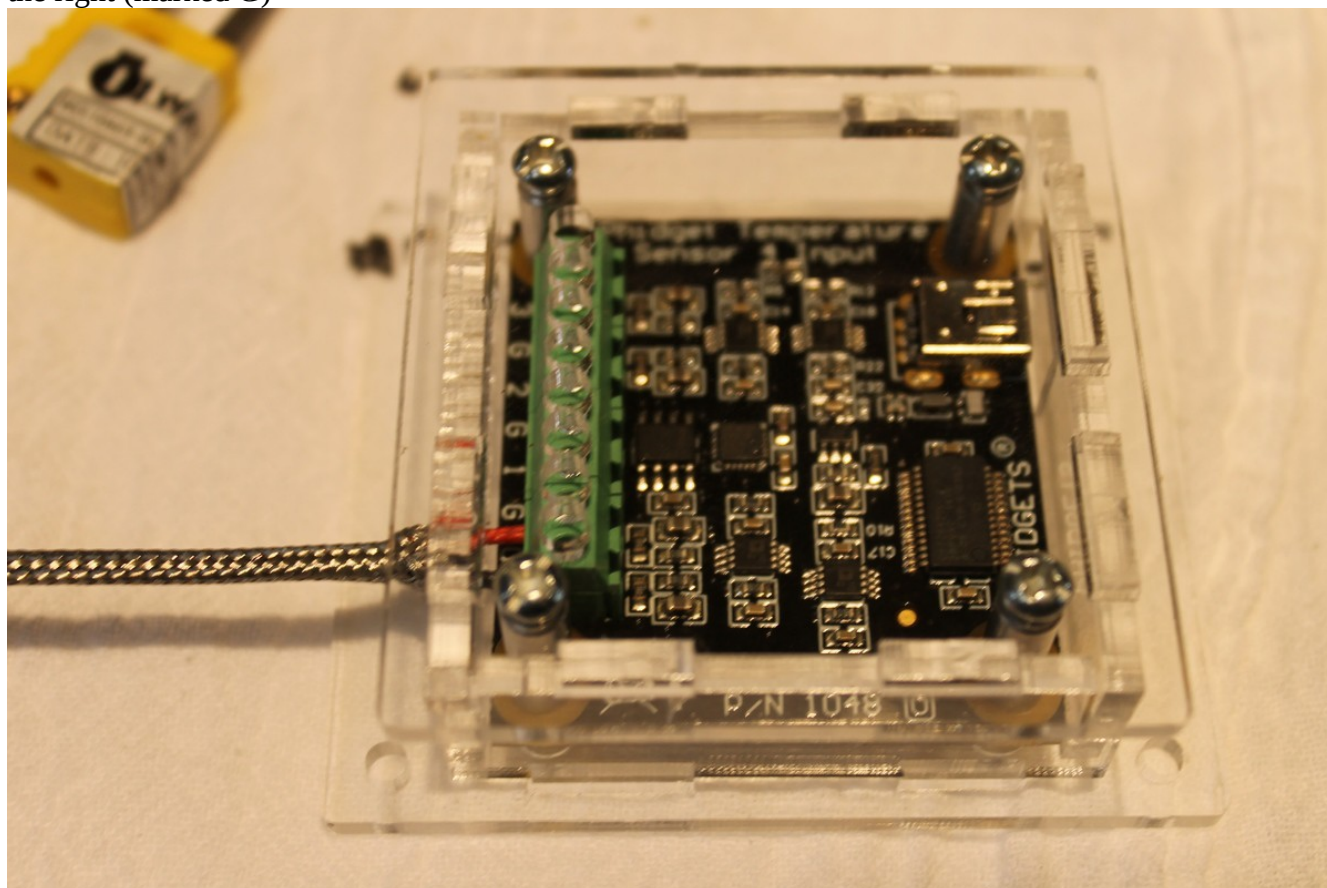
Remove the miniplugs from the ends of the thermocouples.  
BT is at the bottom. ET in the middle. MET at the top.



Loosen the Screws

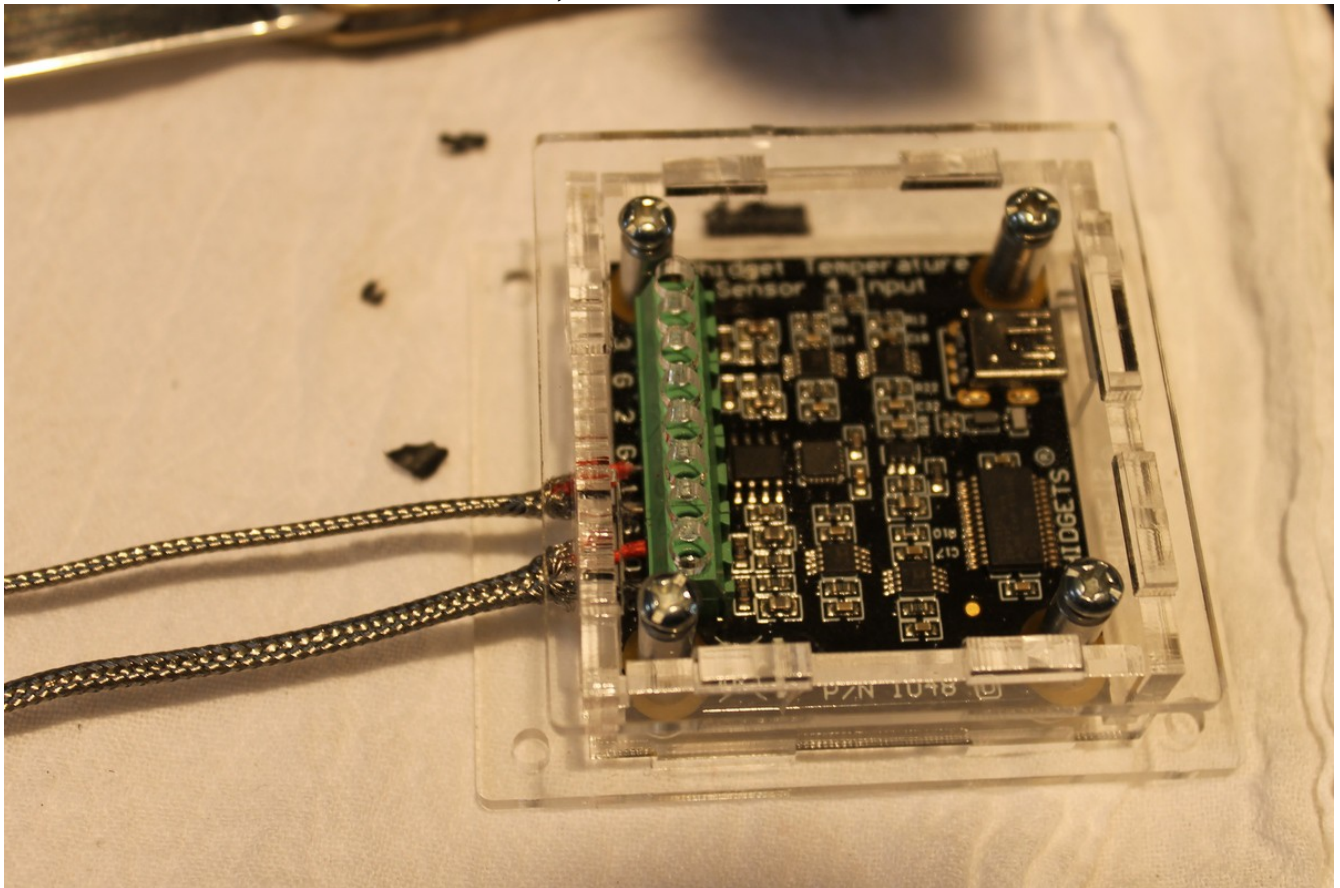


Insert the wires. BT goes into the right most set of two holes. Red wire to the left (marked 0; black to the right (marked G)





Next connect ET. Red in the slot marked 1; black in the slot marked G



And lastly comes MET

