PhidgetTextLCD 20X2 : White : Integrated PhidgetInterfaceKit 8/8/8

Note: The 1203_2B is identical to the 1203_2, except that you have the option of whether you want to include the USB cable.

The 1203 integrates a 20X2 White PhidgetTextLCD, and a PhidgetInterfaceKit 8/8/8

The PhidgetTextLCD allows you to display messages on a 2-line by 20-character LCD screen.

The PhidgetInterfaceKit 8/8/8 provides:

Analog Inputs

The analog inputs are used to measure continuous voltage outputs generated by various sensors such as temperature, humidity, position, or pressure. Phidgets offers a wide variety of sensors that can be plugged directly into the board using the cable included with the sensor.

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

For more information about these inputs and their connectors, have a look at the Analog Input Primer.

Digital Inputs

The Digital Inputs have a Digital Input Hardware Filter to eliminate false triggering from electrical noise. They can be used to convey the state of devices such as push buttons, limit switches, relays, and logic levels.

Digital Outputs

The Digital Outputs can be used to drive LEDs, solid state relays (such as the 3052 SSR Relay Board), transistors; in fact, anything that will accept a CMOS signal.

Comes packaged with

- A mounting hardware kit

Product Specifications

Board	
USB Voltage Min	4.6 V DC
Controlled By	USB (Mini-USB)
USB Voltage Max	5.5 V DC
Current Consumption Min	13 mA
Current Consumption Max	500 mA
Available External Current	487 mA
Recommended Wire Size	16 – 26 AWG
USB Speed	Full Speed
Operating Temperature Min	0 B°C
Operating Temperature Max	70 B°C
LCD Screen	
Dots per Character	5 x 8
Character Width	3 mm
Number of Rows	2
Characters per Row	20
Voltage Inputs	
Number of Voltage Inputs	8
Voltage Input Resolution	10 bit
Input Impedance	900 kO©
Input Voltage Min	0 V DC
Input Voltage Max	5 V DC
5V Reference Error Max	0.5 %
Voltage Input Update Rate Min	1 samples/s
Voltage Input Update Rate Max (4 Channels)	1000 samples/s
Voltage Input Update Rate Max (8 Channels)	500 samples/s
Voltage Input Update Rate Max (WebService)	62.5 samples/s
Digital Inputs	
Number of Digital Inputs	8
Pull-up Resistance	15 kO©
Low Voltage Max (True)	900 mV DC
High Voltage Min (False)	4.2 V DC
Low Voltage Trigger Length Min	4 s
High Voltage Trigger Length Min	15 s
Digital Input Voltage Max	B± 15 V DC

Digital Input Update Rate	125 samples/s
Digital Outputs	
Number of Digital Outputs	8
Series Resistance	300 O©
Digital Output Current Max	16 mA
Digital Output Voltage Min	0 V DC
Digital Output Voltage Max	5 V DC