# **4CH Temperature Data Logger**

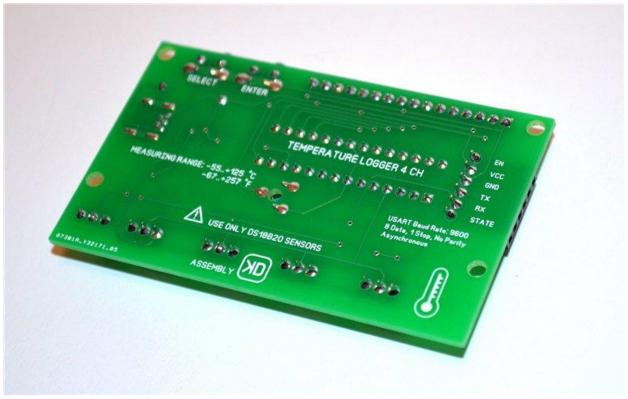
compatible with Arduino Bluetooth Module HC-05



## **About device:**

Measuring 80mm x 48mm x 30mm. Easy connect to Android device via Bluetooth. Digital temperature sensors based on DS18B20 chip. USB driver based on FT232RL chip. Power circuit: usb power supply. Mini usb cable. Software selectable: Celsius / Fahrenheit. **Compatible with Arduino Bluetooth Module HC-05.** Bluetooth distance range 10m. Synchronous data transfer via bluetooth and usb cable. Output log format: text or csv (easy transfer data to Excel). **Temperature sensor stainless steel tube size: 6x50mm.** UART settings: 9600kbps, 8 bits data, 1 stop bit, 1 start bit. Range: -55 ~ 125°C / -67 ~ 257°F. Accuracy:  $\pm 0.5^{\circ}C/(-55 \sim 125^{\circ}C/-67 \sim 257^{\circ}F)$ . **Resolution:** 0.1°C / 0.1°F.





#### **Software selectable: Celsius / Fahrenheit**

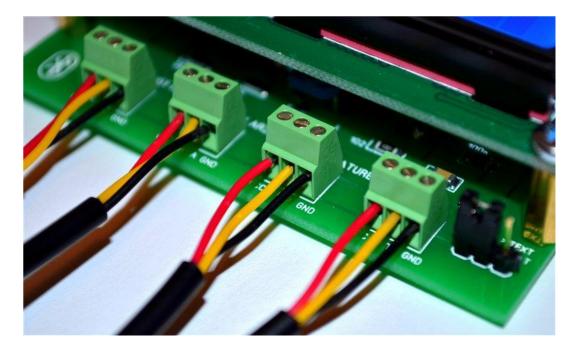


#### **Remember how to connect sensors:**

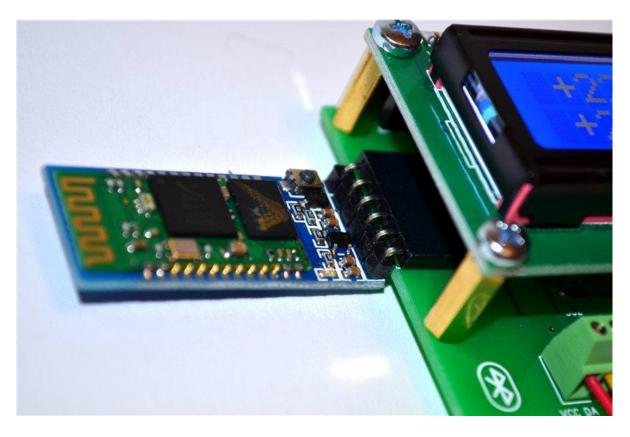
red wire - VCC

#### black wire - GND

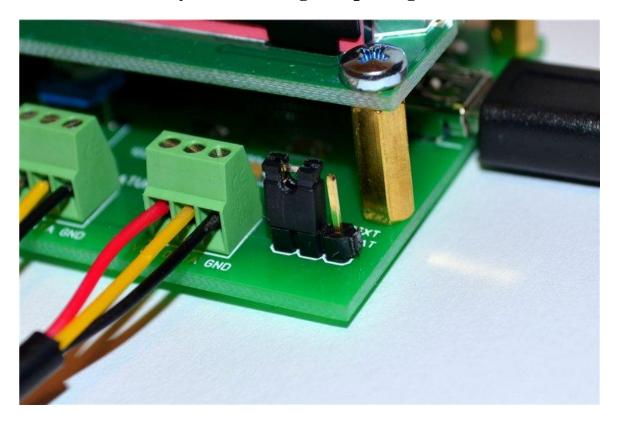
yellow - DATA



### **Remember how to connect Bluetooth HC-05 Module**



## With this switch you can change output log format: text or csv



## **Temperature sensors look like this**



## Temperature logger connected to Android device via Bluetooth

## (Tablet PC, Onda v989)

4 CHANNEL TE	WPERATURE LOGGE	R v2.0					
TEMPERATURE	RANGE: -55+ -67+	125 C 257 F					
	20 SENSORS ONLY						
LOGGING STARTED +21.7 C +21.3 C	+21.6 C	+21.3 C					
+21.8 C +21.3 C +21.8 C +21.3 C +21.8 C +21.3 C +21.8 C +21.4 C	+21.7 C	+21.3 C +21.3 C +21.3 C +21.3 C					
• +21.8 C +21.4 C +21.8 C +21.4 C +21.8 C +21.4 C	+21.7 C +21.7 C +21.7 C	+21.3 C +21.3 C +21.4 C					
+21.8 C +21.4 C +21.8 C +21.5 C +21.8 C +21.5 C	+21.8 C +21.8 C	+21.4 C +21.4 C +21.4 C					
+21.8 C +21.5 C +21.8 C +21.5 C +21.8 C +21.5 C	+21.8 C +21.8 C	+21.4 C +21.5 C +21.5 C					
+21.8 C +21.5 C +21.8 C +21.5 C +21.8 C +21.5 C +21.8 C +21.5 C	+21.8 C + +21.8 C +	21.5 C 21.5 C 21.5 C					١
+21.8 C +21.5 C +21.9 C +21.5 C LOGGING STOPPED	+21.8 C + +21.8 C +	21.5 C 21.5 C					
CONTRACTORISED							-
	d,	5	Ō	0	4)		

#### Device connected to PC via usb cable (Putty Manager programm)

1			v2.0	
I E M	PERATURE RANG	GE: -55+12 -67+23		
		-07+23	, , r ,	
	FOR DS18820 9	SENSORS ONLY		
LOGGING S'	FARTED			
+22.5 C	+22.3 C	+24.2 C	+22.3 C	
22.5 C	+22.3 C	+24.3 C	+22.3 C	
⊦22.5 C ⊦22.5 C	+22.3 C +22.3 C	+24.3 C	+22.4 C	
-22.5 C	+22.3 C	+24.3 C +24.3 C	+22.4 C +22.4 C	
F22.5 C	+22.3 C	+24.3 C	+22.4 C	
F22.5 C	+22.3 C	+24.3 C	+22.4 C	
+22.5 C	+22.3 C	+24.3 C	+22.4 C	
+22.5 C	+22.3 C	+24.3 C	+22.4 C	
F22.5 C	+22.3 C	+24.3 C	+22.4 C	
+22.5 C	+22.3 C	+24.3 C	+22.4 C	
+22.5 C	+22.3 C	+24.3 C	+22.5 C	
+22.5 C	+22.3 C	+24.3 C	+22.4 C	
+22.5 C	+22.3 C	+24.3 C	+22.5 C	
+22.5 C	+22.3 C	+24.3 C	+22.5 C	
+22.5 C	+22.3 C	+24.3 C	+22.5 C	
+22.6 C	+22.3 C	+24.3 C	+22.5 C	
		+24.3 C	+22.5 C	

To stop logging, press SELECT button and holt it ~2sec

#### How to connect logger to Android device: <u>http://ldrv.ms/1AXODbQ</u>

How to install driver on PC: <u>http://ldrv.ms/1AXPbyj</u>