

# USB Temp

Details for the USB Temperature Probe from [usbtemp.com](http://usbtemp.com)

[https://usbtemp.s3.amazonaws.com/manuals/usb-thermometer\\_installation-en.pdf](https://usbtemp.s3.amazonaws.com/manuals/usb-thermometer_installation-en.pdf)

Generate device by serial number for easier identification of probe like `/dev/serial/by-serial/AYAV...`:

```
sudo vi /etc/udev/rules.d/usbtemp.rules
SUBSYSTEM!="tty", GOTO="serial_end"
ENV{ID_SERIAL_SHORT}=="", GOTO="serial_end"
SYMLINK+="serial/by-serial/${env{ID_SERIAL_SHORT}}"
LABEL="serial_end"

sudo udevadm control --reload-rules
sudo udevadm trigger
```

```
dmesg | tail

sudo apt-get install digitemp

?
sudo apt-get install owfs

sudo usermod -a -G dialout wuff
newgrp dialout

#initialisation
digitemp_DS9097 -i -s /dev/ttyUSB0

#read temp
digitemp_DS9097 -t 0
```

Python scripting example:

```
#sudo pip install DS18B20 pydigitemp
mkdir digitemp
cd digitemp
git clone https://github.com/mcsakoff/pydigitemp
mv pydigitemp/digitemp .
rm -rf pydigitemp
```

[digitemp.py](#)

```
from digitemp.master import UART_Adapter
from digitemp.device import DS18B20
import time
bus = UART_Adapter('/dev/ttyUSB0')
sensor = DS18B20(bus)
```

```
while True:  
    print(sensor.get_temperature())  
    time.sleep(1)
```

From:  
<http://wuff.dyndns.org/> - **Wulf's Various Things**

Permanent link:  
<http://wuff.dyndns.org/doku.php?id=howto:usbtemp>

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