

**PIC Basic Project: Graphic Thermometer Recorder**

ajay\_bhargav, Mon Jun 30 2008, 07:56 pm

**PIC Basic Project: Graphical temperature recorder (16F628 + LCD Nokia 3310 + DS18B20)**

*Here a nice graphic temperature recorder.*

**Features**

*It shows 60 samples. (new values scrolls left the plot)  
Temperature is sampled every 15 Sec. and averaged.*

*The following parameters are configurable.  
Sampling rate 15 Sec. to 3.825 Sec.(255\*15)  
Initial scale -30 Â° C to 90 Â° C  
Scale resolution 1 Â° C to 20 Â° C division  
Display contrast level*

*Configuration parameters are stored in eeprom.  
To change parameter only the eeprom must be reprogrammed (NOT the code)  
Refer to source code to know where they are stored.  
N.B. Negative temperature for the initial scale value must be stored in 2 compliment form.*

*Source code attached.  
(sorry for the Italian comment in the code, i have not time to translate)  
Regards  
Gianni  
Gioppy*

Screenshot: