

#### **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: