

PIC Basic Project: Graphic Thermometer Recorder

ajay_bhargav, Mon Jun 30 2008, 02:26 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 °C to 90 °C

Scale resolution 1 °C to 20 °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: