FUNCTIONAL DESCRIPTION
Temperature and out Sensor

Convert the air temperature from physical quantity to resistance.

Crystal Oscillator

A very stable crystas accurate pulses and feed into MCU as master clock.

Battery

In-series by battery 2 units of 1.5V supply energy to whole circuit system.

Low Battery Detect

When the power voltge low to specify value,detect circuit is active and the LCD display the mark of the low battery.

RF Transmit

Modulate temperature data to 433.92MHz signal & transmit form air.X1,Ql,Q2 and associated circuit act as 433.92MHz Oscillator.

MCU(Microprogrammed Control Unit)

2-bit MCU consist of all software,logic control and memory for system calculation and hardware control purpose.

Temperature sensor

Refer to BLOCK DIAGRAM,sensor PT3-312-1 will insert into the center of the meat,it will detect the temperature and send to transmitter,when the value changed,the transmitter will send to receiver.