

HIDEKI ELECTRONICS LTD.

Technical Description of TS13-F

TS13-F is operated by single micro-controller. The MCU provides the features of Thermo Sensor (by sensing the thermistor RT1), and sending the signal of temperature to the receiver. TS13-F has a LCD display for easy reading the temperature sensing in the Thermo Sensor.

Moreover, the TS13-F has got a wired Thermo Sensor to detect the lower temperature through the DC jack (SH1). The Thermo Sensor in the unit is disabled.

For the transmission part, it is simply a UHF (Ultra High Frequency) transmitter and its center frequency is 433.92 MHz by the SAW resonator.

The temperature data is passed from the MCU - U2 to the transmission part.

The temperature data is modulated by Q1 and X1 in 433.92 MHz and transmitted through an antenna.