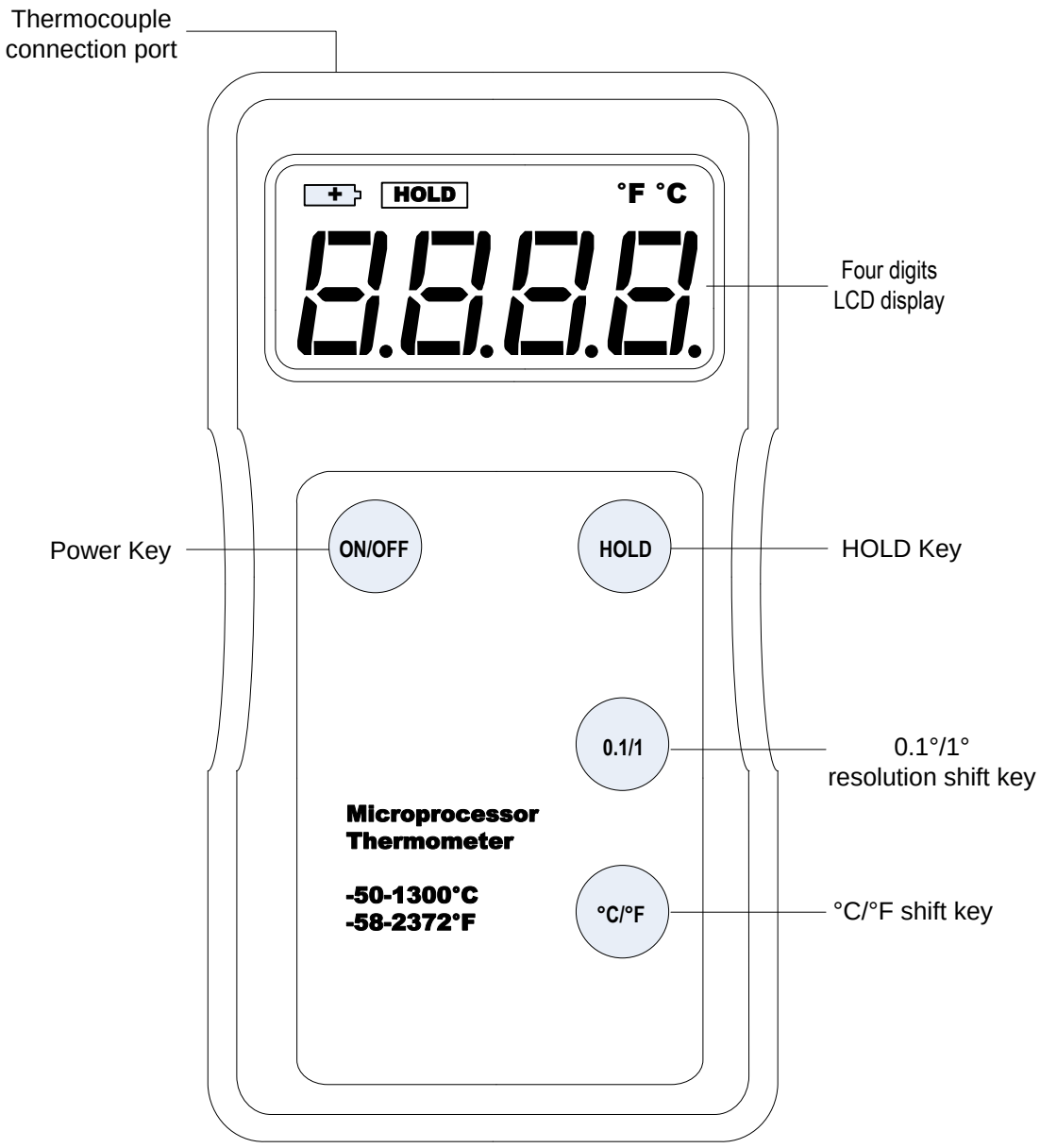
THS-192 INSTRUCTION MANUAL

1. Features

This thermometer can be used for measuring the temperature of molten lead, molten aluminum, and forging steel. It also has a 0.1 degree high resolution mode for low temperature applications. It can display the temperature unit in either Celsius or Fahrenheit. It is simple to use with an easy to read large LED display. The meter is powered by one 9V battery (included).

2. Front panel



3. Specifications

Meter	Display	Four digits, 0.8" (20 mm) large LCD display. °F or °C
	Input type	K type thermocouple
	Display range	-145-1310 °C, -229-2390 °F (1 degree resolution) -145.0 to 599.9 °C, -199.9 to 999.9 °F (0.1 degree resolution)
	Over range display	Hi or Lo.
	Sampling rate	16 times/second
	Accuracy	±0.2% reading ±1 °C/°F
	Storage condition	0-50°C (32-122°F), <80%RH
	Battery type	9V
	Battery Life	300 hr for an alkaline battery. 150 hr for a heavy duty battery
	Size	5x2.5x1" (130X65X23 mm)
	Weight	125g (including battery)

4. Operation procedure

To measure temperature: Then plug the K type thermocouple to the meter. Press the power button. Select the resolution and temperature unit by using “0.1/1” resolution shift key and °C/°F shift key. Put the probe to the place you want to measure and wait for a while to let the reading stabilized. You can press the “HOLD” button to keep the meter displaying the current temperature. The meter will show “HOLD” on the screen. For the high precision measurement with 0.1 degree resolution, wait 3 minutes to warm up the meter.

5. Trouble shooting

1) If the meter shows “Hi”, you may need to check the sensor connection first to make sure the sensor is connected correctly to the meter. The meter will show “Hi” or “Lo” if the temperature out of the display range.

2) If the meter displays  , that means the battery needs to be changed.

3) Warm up the meter for 3 minutes before measuring the temperature for better accuracy.