

RADIANCE INDUSTRIAL CO., LTD.	PRODUCT MANUAL		REV.: 3
	PRODUCT	PEN SHAPE STEM THERMOMETER	25 Oct. 2012
	MODEL	RT312	PAGE 1 of 1

FEATURES

- °C/°F exchangeable
- Data hold function
- Maximum and minimum reading memory
- Stainless steel probe
- Probe cover with pocket clip

OPTIONS

- 1) °C/°F exchange (RT312CF)
- 2) Data hold function with °C display (RT312HC)
- 3) Data hold function with °F display (RT312HF)
- 4) Maximum and minimum reading memory with °C display (RT312MC)
- 5) Maximum and minimum reading memory with °F display (RT312MF)



SPECIFICATION

Measuring range	1) -50 ~ 200 °C / -58 ~ 392 °F 2) -50 ~ 300 °C / -58 ~ 572 °F
Accuracy	±1°C between -19.9 ~ 119.9°C ±2°C between -50 ~ -20°C and 120 ~ 199.9°C ±3°C between 200 ~ 300°C ±1.8°F between -3.8°F ~ 247.8°F ±3.6°F between -58°F ~ -4°F and 248 ~ 391.8°F ±5.4°F between 392 ~ 572°F
Display resolution	0.1°
Automatic switch off	After idle for 10 minute (can be disabled at ex-factory)
Display size	17(W) x 7(H) mm
Digit size	3(W) x 6(H) mm
Probe size	3.5∅ x 120 mm, other length also available upon request
Battery	1.5 volt, type LR44 or equivalent x1 piece (included)
Ambient temperature	0 ~ 50°C / 32 ~ 122°F
Product size	70(W) x 20(H) x 17(D) mm (exclude probe portion)

OPERATION

Pull away the battery insulation strip, the display will show full segment display for about 3 seconds and then display the measured temperature instantly.

SELECT TEMPERATURE UNIT (OPTION 1 ONLY)

Press [°C/°F] to change temperature unit.

TEMPERATURE MEASUREMENT

Probe into test substance about 25mm / 1" minimum and get the reading when it becomes stable.

DATA HOLD FUNCTION (OPTION 2 & 3 ONLY)

1. Press [HOLD] to retain display reading, °C or °F flashing.
2. Press [HOLD] again to display normally.

MAXIMUM AND MINIMUM READING MEMORY (OPTION 4 & 5 ONLY)

1. Press [MAX/MIN] to display maximum reading.
 2. Press the button again to display minimum reading.
 3. Press the button once more to display normally.
 4. Switch the thermometer off then on to reset the memory readings to current reading.
- * Reset the memory once before taking new readings.

ON/OFF

Press [ON/OFF] to switch thermometer off/on.

RESET THE THERMOMETER

If there is abnormal display or operation then press [RESET] once. All user settings will be reset to ex-factory settings.

NOTE

1. Clean the probe immediately with cleaning wipes after each measurement to avoid cross contamination.
2. Do not operate the thermometer in the environmental temperature lower than 0°C / 32°F or higher than 50°C / 122°F otherwise incorrect readings or damage to the thermometer may result.
3. When the data hold or Maximum and minimum reading memory function is activated the thermometer can not be switched off until that function is released.
4. When the display becomes dim replace the battery with a same type new battery.