

RADIANCE INSTRUMENTS LTD.	PRODUCT MANUAL		REV.: 0
	PRODUCT	COMPACT HYGRO-THERMOMETER	2 MAR 2015
	MODEL	RT818/E	PAGE 1 of 2

OPTIONS

- 1) Compact Hygro-thermometer (RT818)
- 2) Compact Hygro-thermometer with external sensor (RT818E)

FEATURES

- Dual-display for humidity and temperature
- Maximum & minimum reading memory
- Ice point alert (option 2 only)
- Memory reset function
- External temperature display (option 2 only)
- °C / °F exchange
- Waterproof external sensor (option 2 only)
- Foldaway stand
- Mounting keyhole
- Velcro magic tape



SPECIFICATION

	Temperature	Humidity
Measuring range	0~50°C / 32~122°F (internal) -50~70°C / -58~158 °F (external)	20~99% RH
Display accuracy	±1°C / ±2°F	±5% RH
Display resolution	0.1°	1%
Display reading update	10 seconds	
Battery	1.5 volt, size AAA or equivalent x1 piece	
Ice point alert	External reading ≤ 0°C/32°F (option 2 only)	
Product size	85(W) x 64(H) x 17(D) mm	
Display size	37(W) x 37(H) mm	
External sensor length	3,000mm (option 2 only)	
Accessories	External sensor with 3 meters long sensor cord x1 piece (option 2 only) Sensor holder x1 piece (option 2 only) 1.5 volt, size AAA battery x1 piece Velcro magic tape x1 piece	

INSTALLATION

1. Use sensor holder to fix external sensor at desired external space (option 2 only).
2. Plug external sensor into unit (option 2 only).
3. Peel off display protective sheet.
4. Install the battery with correct polarity positioning.
5. The unit will perform a self-test and display reading normally after 5 seconds.
6. Choose an installation space away from direct sunlight, rain or extreme heat and wipe the space clean.
7. Use the supplied Velcro magic tape to attach the unit onto the installation space or use the mounting keyhole to fix the unit onto the installation space.

OPERATION

POWER ON/OFF

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

TEMPERATURE UNIT

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

EXTERNAL TEMPERATURE DISPLAY (OPTION 2 ONLY)

1. Press [OUT] to display external temperature.
2. Press the button again to display normally.

MAXIMUM / MINIMUM READING MEMORY

1. Press [Max/Min] to display maximum measured value.
2. Press the button once more to display minimum measured value.
3. Press the button again to return to normal display.
4. Press and hold the button until two bars "---" are displayed then release to reset memory to current reading.
5. Reset the memory once before take new maximum / minimum reading.

MEMORY RESET

Press [RESET] on the back to reset maximum/minimum memory.

ICE POINT ALERT (OPTION 2 ONLY)

Press [ALERT] on the back to switch on ice point alert function and alarm will sound when external temperature is ≤ 0 °C.

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NOTE

1. Switching off the unit or pressing [RESET] will reset all current settings to default settings (ex-factory settings).
2. If the display becomes dim please replace the battery with the same type.
3. If the unit is not in use for a long period of time then remove battery from the unit to avoid battery leakage.