

RADIANCE INSTRUMENTS LTD.	PRODUCT MANUAL		REV.: 0
	PRODUCT	JUMBO DISPLAY HYGRO-THERMOMETER	4 Jun 2014
	MODEL	RT811/E	Version: 14 PAGE 1 of 2

FEATURES

- Jumbo Display for Humidity and Temperature
- Maximum & Minimum Reading Memory
- Ice Point Alert
- Internal / External Temperature Display
- °C / °F Exchange
- Foldaway Stand
- Mounting Keyhole
- Low Battery Indication

OPTIONS

- ① Hygro-thermometer (RT811)
- ② Hygro-thermometer with external sensor (RT811E)



SPECIFICATION

	Temperature	Humidity
Measuring range	0~50°C/32~122°F (internal) -50~70°C/-58~158°F (external, option ② only)	20~99% RH
Display accuracy	±1°C / ±2°F	±5%
Display resolution	0.1°	1%
Display reading update	10 seconds	
Battery	1.5 volt, size AAA or equivalent x 2 pieces	
Ice point alert	External reading ≤ 0 °C / 32 °F (option ② only)	
Display size	79(W) x 66(H) mm	
Product size	98(W) x 110(H) x 22(D) mm	
Accessories	1) External sensor with 3 meters long sensor cord x1 piece (option ② only) 2) Sensor holder x1 piece (option ② only) 3) 1.5 volt, size AAA battery x 2 pieces	

INSTALLATION

1. Use sensor holder to fix external sensor at desired external space (option ② only).
2. Plug external sensor into the unit (option ② only).
3. Open the battery cover on the back side then pull out the battery insulation strip.
4. The unit will perform a self-test and display readings normally after 3 seconds.
5. Place unit at the place away from direct sunlight, rain or extreme heat.
6. Peel off display protective sheet.

OPERATION

MAXIMUM/MINIMUM READING MEMORY

1. Press [Max/Min] button 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 [Max/Min] button until two bars "---" are displayed then release to reset memory.
5. Always reset the memory once before taking new readings

EXTERNAL TEMPERATURE DISPLAY (OPTION ② ONLY)

1. Press [INT/EXT] button to display external temperature. [Ext] icon appears.
2. Press the button again to display internal temperature. [Int] icon appears.

ICE POINT ALERT (OPTION ② ONLY)

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


°C/°F EXCHANGE

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

POWER ON/OFF


Press [ON/OFF] button to switch off unit.

BATTERY REPLACEMENT

When the low battery symbol  is flashing, replace the batteries with the same type.

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ERROR SYMBOLS

Symbol	Description	Action required
	Low battery voltage	Replace the batteries with the same type
---	1) Sensor open circuit or short circuit 2) The reading is out of lower limit (-50°C) 3) The reading is out of upper limit (70°C)	1) Return the thermometer for repair 2) Keep the measurement above lower limit 3) Keep the measurement below upper limit