# OPERATING INSTRUCTIONS

## HEAT INDEX / WEATHER CHECKER

### Model 8715 / 8750



- A handy meter to monitor heat conditions and weather changes.
- Danger icon and beeper(8715) help safeguard outdoor workers and athletes from heat illness.
- Heat Index, Temperature, Humidity, Dew Point, and Barometric Pressure(8750) in one meter.



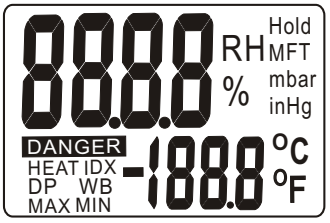
## SPECIFICATIONS

**Barometric pressure** (8750 only)
range : 8.86 to 32.48 inHg (300 to 1100 hPa)
accuracy : ±1% Full scale
**Temperature**
range : 0~ 50°C (32~122°F),
accuracy : ±1°C (±2 °F)
**Humidity (RH%)**
range : 0~100% RH
accuracy : ±3 % RH (10-90%RH); ±4% for others
**Heat index**
range : #8715: 21~45°C (70~115°F)
#8750: 21~66°C (70~151°F)
accuracy : ±3%
**Dew point**
range : #8715: 0 ~60°C (32~140°F)
#8750: -35~59°C(-31~138°F)
accuracy: ±3%
**Resolution** : 0.1°C , 0.1%RH
**Response time** :15 seconds typical.
**Pen size** :15(H) x47(W) x168mm(L)
**Package** : Meter, battery, manual
**Battery life** :100 hours (CR 2032 battery)



## INDICATOR

**LCD display**




Upper display: Humidity, Dew Point
Heat Index
Barometric pressure(8750)
Lower display: Ambient temperature

**Key function**
ON/OFF : Turn on/off the meter
Heat Index setting
HOLD : Data hold. Save changes
Pressure calibration mode
MIN/MAX: Max and Min readings display
UNIT(8715): Temp. and pressure units switch
°F/°C(8750) Decrease value
MODE : Select measurement modes
Increase value
RESET : Clear Min/Max from memory
HOLD→ON/OFF: Non-sleep mode setting



## MEASUREMENT OPERATION

***1. Power on/off***

Turn the meter on and off by pressing ON/OFF button. When the meter is power on, the LCD will show a full display of all indicators and then enter measurement mode.

***2. Function modes***

To select measurement mode, press MODE button and the top display will cycle in Pressure(8750 only) →Humidity→Dew Point→Heat Index. Temperature is constantly displayed at the bottom of the LCD.

***3. Imperial/metric units switch***

Press UNIT(8715) or °F/°C (8750) key to change from imperial to metric units. The temperature, heat index and dew point will change from ℉ to ℃. barometric pressure will change from inHg to mbar.

***4. Data hold***

Press HOLD button to freeze the current reading on the display. ”Hold” will appear on the upper right side of the LCD. Press HOLD again to cancel this function and “Hold” disappears from the LCD.

### *5. Min/Max Function*

The min/max function will display the minimum and maximum values recorded by the meter for all measurement modes since it was powered on or since the RESET button has been pressed Press MIN/MAX button to see “MAX” and “MIN” readings then return to current reading. To clear the minimum and maximum from memory, press RESET button and it will show the entire display for 2 seconds and return to measurement mode.

### *6. Heat Index setting*

The meter is default to display a “DANGER” icon at a heat index value over 82℉(27.7ºC). 8715 features warning beeper with the “DANGER” icon. Users can change the alarm point by the following steps. While the unit is off, press and hold ON/OFF button until the heat index display flashes. Press UNIT(8715) or ºF/ºC (8750) button to decrease the value or MODE to increase it. And then press HOLD button to save the changes.

*Please note any heat index value over 80°F(26.6ºC) is dangerous!



### *7. Danger zone*

Based on a calculation of ambient temperature and relative humidity, the meter will indicate extreme levels of heat index and show a blinking DANGER and give alarm with beeps(8715). This indicates the current environment may not be safe for athletic activity or outdoor work. Please take necessary precautions to safeguard personal health and well-being.

### *8. Barometric pressure calibration*

To calibrate the barometric pressure, press HOLD key while in HEAT INDEX setting mode. The unit will display flashing current pressure. Press ºF/ºC to decrease the value and MODE to increase it. Then press HOLD again to save the calibration.

### *9. Auto power off function*

The unit will automatically shut off after 20 minutes inactivity to conserve battery life. To override the auto power off, press and hold HOLD button while the meter is off. Next press the ON/OFF until LCD displays “n”. Release both buttons, the meter will now remain on until you manually turn if off.



### *10. Low battery indicator*

Low battery indication is signaled by flashing of the entire display. Replace with fresh battery to ensure the accuracy.

## OPERATION NOTES

- Do not immerse probe into liquids as this will cause permanent damage to the sensor and void the warranty.
- Condensations will not affect the meters accuracy.

## HEAT INDEX

The heat index was developed by the US National Weather Service to help people avoid heat illness. Prolonged exposure and/or physical activity at a high heat index is likely to lead to sun stroke, heat cramps, heat exhaustion and even death. However, please be aware that heat index is not an exact science. The values reached are approximations. Ultimately, the final decision of whether or not to exercise or work belongs to the individual, athletic trainer or employer..



## WARRANTY

The meter is warranted to be free from defects in material and workmanship for one year. The warranty covers normal operation and does not cover battery, misuse, abuse, alteration, neglect, improper maintenance, or damage resulting from leaking batteries. Proof of purchase is required for warranty repairs. Warranty is void if the meter has been opened.

## RETURN AUTHORIZATION

Authorization must be obtained from the supplier before returning items for any reason . When requiring a RA (Return Authorization), please include data regarding the defective reason, the meters are to be returned along with good packing to prevent any damage in shipment and insured against possible damage or loss.

APL ASIA CO., LTD. Authorized Distributor
Address: 11/129-132 Moo.5 Lamlukka Rd.,
T.Kookut, A.Lamlukka, Pathumthani 12130 Thailand.
TEL: 0-2995-4461-4
Website: www.apl-asia.com
EMAIL: sales@apl-asia.com
LINE@: @APL-ASIA