

REED

Model PHT-316

Humidity/Temperature
Meter

Instruction Manual



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Features

- Professional humidity measurement
- Fast response time
- Measures in °C and °F
- Simultaneously shows temperature and humidity readings on two bright LCD screens
- High accuracy microprocessor circuit
- Features data hold to freeze the display value
- Auto power off to save battery life
- Operates from four AAA batteries
- Durable, long-lasting components, enclosed in strong, compact ABS-plastic housing

Specifications

Display:	28 x 19mm
Display Direction:	Normal or reverse
Temperature Units:	°C or °F
Humidity Unit:	%RH
Humidity Sensor:	Capacitance semiconductor
Temperature Sensor:	Semiconductor
Sampling Time:	Approx. 1 second
Operating Temperature:	0 to 50°C
Operating Humidity:	Less than 80% RH
Power Supply:	Four AAA (DC 1.5V) batteries
Weight:	157g/ 0.35lb (including batteries)
Dimensions:	210 x 40 x 40mm (8.3 x 1.6 x 1.6")
Optional Accessories:	Soft carrying case (CA-52A)

Humidity

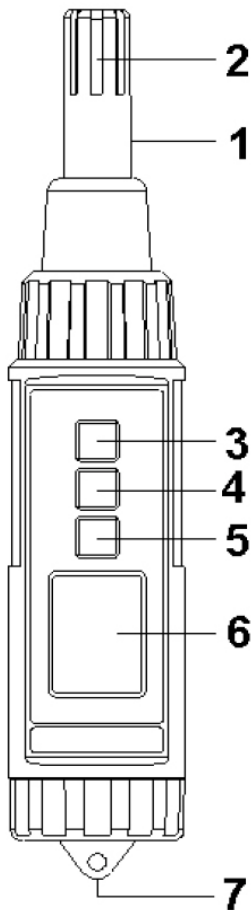
Range:	10% to 95% RH
Resolution:	0.1 % RH
Accuracy:	≥70% RH: ±(3% reading + 1% RH); <70% RH: ±3% RH

Temperature

Measuring Range:	0 to 50°C (32 to 122°F)
Resolution:	0.1°
Accuracy:	± 0.8°C/1.5°F

Instrument Description

1. Probe Head
2. Humidity/Temp. Sensor
3. Power Button
4. Hold Button
5. Display Reverse Button
6. LCD Display
7. Battery Compartment/Cover



Operating Instructions

1. Turn on the meter by pressing the Power Button. Press the Power Button again to turn the meter off.
2. The Display will show the current Humidity and Temperature value registered from the Probe Head. The upper display shows the humidity value and the lower display shows the temperature value.

Data Hold

1. While taking a measurement, press the Hold Button to hold the current value. The LCD will show a “HOLD” symbol.
2. Press the Hold Button once again to exit the data hold function.

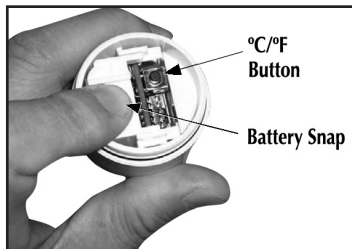
Display Reverse

1. While taking a measurement, press the Display Reverse Button and the display direction will reverse for user convenience.
2. Press the Display Reverse Button again to switch the display back.

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Changing the Temperature Unit

Fig 1




1. Open the Battery Compartment Cover by rotating it clockwise.
2. Press and hold the Battery Snap against the batteries with your finger (see Fig 1).
3. Turn on the meter by pressing the Power Button.
4. Press the °C/°F Button (See Fig 1) to switch the temperature unit from °C to °F (and vice-versa).
5. After the temperature unit is selected, release your finger from the Battery Snap and reinstall the Battery Cover (rotate counterclockwise).
6. The selected temperature unit will be the meter's default unit.

Auto Power Off

The instrument has built-in Auto Power Shut-off function in order to prolong battery life. The meter will switch off automatically if inactive for 10 min.

Battery Replacement

When the lower left corner of the LCD screen displays , the batteries need to be replaced. To change the batteries, open the Battery Cover by rotating it clockwise. Replace the old batteries with new batteries and reinstall the Battery Cover.

Notes

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