

Instructions

The Laser 6904 is a Digital Temperature and Humidity Level Meter and is used to record both temperature and relative humidity. It is ideal for environmental monitoring of offices, storage rooms, computer server rooms, clean rooms, laboratories, etc. The sensors are located in a protective grill, making this instrument ideally suited for taking measurements in an air stream. Thus it can also be used to check and monitor vehicle heating, ventilation and air-conditioning systems.

The LCD display has an automatic back-light, making the data easy to read in a dark environment. CE certificated, RoHS compliant.

Controls:

Refer to Figs. 1 & 2:

A	Temperature and humidity sensors
B	Power Switch
C	Temp & Humidity selector button
D	HOLD button
E	LCD Display
F	Light Sensor
G	Tripod Mount
H	Battery (9 volt PP3)
I	Battery Door

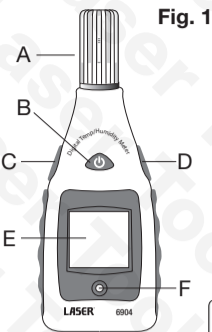


Fig. 1

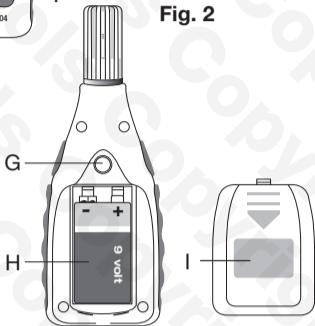


Fig. 2

LCD Display Symbols:

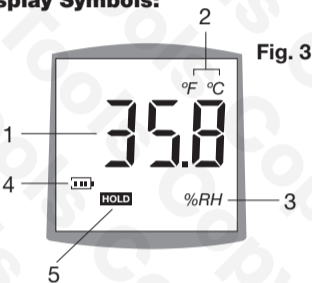


Fig. 3

1	Main display (measurement value)
2	Temperature range selected (°F or °C)
3	%RH (relative humidity) indicator
4	Battery indicator
5	HOLD selected indicator

Operation:

Refer to Fig. 2: Before using the device, open the battery door (press down in direction of arrow) and install the 9V PP3 battery. When battery indicator (4 in Fig. 3) shows battery is low (zero bars) then replace battery. Using the device with a weak battery may show incorrect readings.

1. Switch the device ON by pressing

2. Instrument initially displays
-
- the power switch (B).
temperature in °C.
3. Press the Temp & Humidity
change the reading to percentage
(%RH).

4. Press the Temp & Humidity
again to display temperature in °F.
-
- selector button (C) to
of relative humidity
selector button (C)
5. Hold Function: press button D to select **HOLD** — this displays and holds the last-measured figure. Press D again to return to the normal measuring function.
6. You can measure temperature and humidity by holding the instrument in your hand, or by mounting on a tripod. Refer to G in Fig. 2 for position of tripod mount.

Additional Functions:

- Automatic back-light: when there is a low light environment, the sensor (F) will detect this and switch on the LCD display back-light.
- The device will automatically power off after 10 minutes. Use power switch (B) to turn off directly.

Specifications:

Temperature range:	-10°C to +50°C
Humidity range:	10%-99%
Measuring Rate:	Twice per second
Accuracy:	
Temperature:	+/- 1.0°C
Humidity:	+/- 3% (at 25°C, 30-99%RH) +/- 5% (at 25°C, 10-30%RH)
Resolution:	
Temperature:	0.1°C / 0.1°F
Humidity:	0.1%
Operating Conditions:	
Temperature:	0.1°C - 40°C
Humidity:	<99%RH
Storage Conditions:	
Temperature:	-10°C - 60°C
Humidity:	<70%RH

Maintenance:

- Do not store or operate the instrument at high temperatures or in conditions of high humidity, dampness or condensation.
- If the instrument is not to be used for a long period, remove the battery to avoid harmful leakage.
- Keep microphone area dry and avoid severe vibration.
- Protect the instrument from electromagnetic fields and static electricity.

Precautions:

- Do not let untrained persons use the instrument.

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