INSIGNIA™

QUICK SETUP GUIDE

Infrared Thermometer

NS-IRTHERMW1

PACKAGE CONTENTS

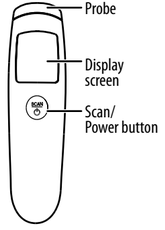
- Infrared thermometer
- AAA batteries (2)
- *Quick Setup Guide*

FEATURES

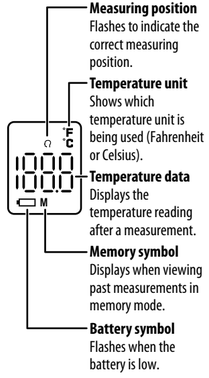
- Infrared technology lets you read forehead temperatures without direct contact
- Mercury-free and FDA-certified
- Digital display provides easy-to-read information
- Memory recalls past readings (up to 32) to track body temperatures over time
- Temperature unit switches between Fahrenheit and Celsius
- Automatic off function saves battery life

PRODUCT OVERVIEW

Front view



Display screen



Measuring position
Flashes to indicate the correct measuring position.

Temperature unit
Shows which temperature unit is being used (Fahrenheit or Celsius).

Temperature data
Displays the temperature reading after a measurement.

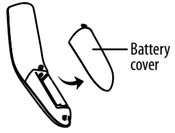
Memory symbol
Displays when viewing past measurements in memory mode.

Battery symbol
Flashes when the battery is low.

INSTALLING THE BATTERIES

Before first time use or when the battery icon ( ) is flashing, replace with new batteries.

1 Push the battery cover tab forward, then lift upward at an angle to remove.



2 Insert two AAA batteries into the compartment. Make sure that the + and – signs in the compartment match the batteries.

3 Close the battery cover.

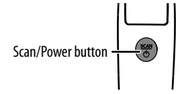
USING YOUR THERMOMETER

Before taking a temperature

- Try the device on yourself first to learn how to use it.
- Keep the thermometer at room temperature (60.8° F to 95° F/16° C to 35° C) for at least 30 minutes before use. This helps prevent incorrect readings.
- Keep the person being measured at room temperature for at least 20 minutes before measuring to balance their body temperature.
- If measuring someone after strenuous exercise, let them rest for at least 30 minutes before measuring.
- The person being measured should be three months or older.
- Wipe the skin dry and push aside hair strands before measuring.
- When repeated measurements are taken, move the thermometer away between each measurement and wait for the "**---**°F" (**---**° C) to flash for at least five seconds before taking the next measurement.
- The normal reading should be about 95.9° F to 100° F (35.5° C to 37.8° C). Take temperature readings while healthy to know a person's normal temperature. Pay attention to physical changes, and consult your doctor if there is any abnormality.
- Make sure that the thermometer is clean before each measurement to ensure accuracy.

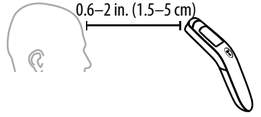
Taking a temperature

1 Press the Scan/Power button to turn the thermometer on.

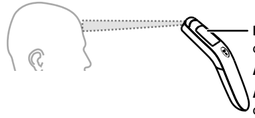


2 Press Scan/Power button again to select temperature mode. The thermometer beeps and the screen flashes with "**---°F**" (**---°C**), indicating the thermometer is ready to use.

3 Hold the thermometer 0.6–2 in. (1.5–5 cm) from the forehead.



4 Press the Scan/Power button and release after one second. The thermometer beeps and displays the temperature.



Below 89.6˚ F (32˚ C): "Lo" is displayed followed by two beeps

Above 100˚ F (37.8˚ C): six beeps

Above 108˚ F (42.2˚ C): "Hi" is displayed followed by two beeps

5 Press and hold the Scan/Power button for five seconds to turn the thermometer off, or it shuts off automatically after 60 seconds.

Consecutive temperatures

When repeated measurements are taken, move the thermometer away between each measurement and wait for the "**---**°F" (**---**°C) to flash for at least five seconds before taking the next measurement.

Recalling measurements from memory

1 Make sure that the thermometer is turned off.

2 Press and hold the Scan/Power button for four seconds to select memory mode. The last reading is displayed.

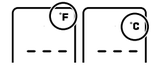
3 To view the previous reading, press the Scan/Power button again. Repeat to recall up to 32 readings.
The thermometer automatically turns off after it idles for more than 12 seconds.

Changing the temperature unit

1 Make sure that the thermometer is turned off.

2 Press and hold the Scan/Power button for eight seconds to select Unit mode. Three dashed lines (**– – –**) appear and the current temperature unit is displayed.

3 Press the Scan/Power button to switch between Celsius (° C) and Fahrenheit (° F).



The thermometer turns off after it idles for more than four seconds and displays measurements in the last unit selected.

ERROR MESSAGES

ERROR	PROBLEM	SOLUTION
Hi	Temperature is higher than 108° F (42.2° C).	Operate the thermometer only between the specified temperature range. In the event of a repeated error message, contact Customer Support.
Lo	Temperature is lower than 89.6° F (32° C).	Operate the thermometer only between the specified temperature range. In the event of a repeated error message, contact your retailer or Customer Support.
Err	Sensor does not work.	Contact Customer Support.
ErE	Electronic sensor has failed.	Contact Customer Support.
	Low power.	Replace with new batteries.
ErH	The temperature of the surrounding environment is too high.	Decrease the temperature of the surrounding environment. Keep it within 61° F to 95° F (16° C to 35° C).
ErL	The temperature of the surrounding environment is too low.	Increase the temperature of the surrounding environment. Keep it within 60.8° F to 95° F (16° C to 35° C).

Before using your new product, please read these instructions to prevent any damage.

MAINTENANCE

- Remove any stains on the body with a soft, dry cloth.
- Clean the probe tip by gently wiping the surface with a cotton swab or soft cloth moistened with 75% medical alcohol. After the alcohol has completely dried out, you can use the thermometer.
- If the probe tip is damaged, please contact Customer Support immediately.
- Do not wash with water or detergent containing abrasives or benzene.
- Do not immerse in liquids.

Storage:

- The device must not be stored or used at an excessively high or low temperature or humidity, in sunlight, in association with an electrical current, or in dusty locations.
- Remove the batteries if the thermometer goes unused for a long time.

Calibration:

This thermometer was calibrated by the manufacturer. If the thermometer is used according to the instructions, periodic recalibration is not required. If at any time you question the accuracy of the measurement, please contact Customer Support immediately. Do not attempt to modify or reassemble the thermometer.

SPECIFICATIONS

Dimensions (H × W × D):
6.5 × 1.7 × 1.6 in. (16.4 × 4.4 × 4 cm)

Weight (without batteries):
0.1 lbs (61 g)

Battery: Two AAA batteries (DC 3V)

New battery: 1,000 readings

Automatic off: Yes (after one minute)

Product life: Five years

Memories recall: 32-measurement recall

Measurement site: Forehead

Reference body site: Axillary

Measurement units:
Fahrenheit and Celsius

Operating conditions:
60.8° F to 95° F (16° C to 35° C),
15%-80%RH, 70kPa-106kPa

Storage conditions:
-4° F to 131° F (-20° C to +55° C),
15% -93% RH, 70kPa-106kPa

Measurement distance:
0.6–2 in. (1.5–5 cm)

Measurement range:
89.6° F to 108° F (32.0° C to 42.2° C)

Rated output range:
95.0° F to 107.6° F (35.0° C to 42.0° C)

Rated extended output range:
89.6° F to 95.0° F (32.0° C to 35.0° C) and
107.6° F to 108.0° F (42.0° C to 42.2° C)

Measurement accuracy:
±.5° F (89.6 to 108° F) \
±.3° C (32.0 to 42.2° C)

Standard: The product is made under the ISO80601-2-56.

SYMBOLS

The following symbols may appear on the manual, Infrared Thermometer, or its accessories.

SYMBOL	DEFINITION
	MUST OBSERVE Means Obligatory with detailed items expressed in words or figures within or beside the mark. Left one means Generally Compulsory.
	Refer to instructions manual/booklet.
	IMPLICATION OF SYMBOL Type-BF applied part.
CE 0123	CE Mark: Conforms to essential requirements of the Medical Device Directive 93/42/EEC.
	Caution: Consult accompanying documents.
	Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.
	Transport package shall be kept away from rain.
	Transport package shall not be exposed to sunlight.
	Indicates correct upright position of the transport package.
	Contents of the transport package are fragile therefore it shall be handled with care.
	Indicates temperature limits within which the transport package shall be stored and handled.
	Non-ionizing electromagnetic radiation.
	Do not roll.
LOT	Lot number.
	Production date.
	"Best Before End Of" Date (BBE) – the product should not be used after the date indicated.
IP22	Protected against solid foreign objects of 12.5mm diameter and greater. Protected against vertically falling water drops when the device is tilted up to 15°.
	Manufacturer.

WARNINGS

Do not use the thermometer under temperature extremes (below 16° C/60.8° F or over 35° C/95° F) or humidity extremes (below 15% RH or over 80% RH).
Failing to do so may cause inaccuracy.

Do not expose the thermometer under temperature extremes (below -20° C/-4° F or over 55° C/131° F) or humidity extremes (below 15% RH or over 93% RH).
Failing to do so may cause inaccuracy.

Thermometer has fallen and/or probe part has become loose.
Contact your retailer immediately.

It is dangerous for patients to perform a self-evaluation and self-treatment based on the measuring results. Be sure to follow doctors' instruction.
A self-evaluation may cause deterioration of diseases.

Don't touch or blow on the infrared sensor.
A dirty or broken infrared sensor may cause inaccuracy.

Clean a dirty infrared sensor with a soft, dry cloth in a gentle manner.
Cleaning with toilet paper or paper towel may scratch the infrared sensor, causing inaccuracy.

Install battery in the right position according to the *Quick Setup Guide*.
Incorrect replacement will cause battery heat.

Do not immerse the thermometer in liquids.
This device is not waterproof.

Do not use a mobile phone nearby when the thermometer is in use. Portable and mobile RF communications devices can affect this medical electrical thermometer.
Their use may cause inaccuracy.

The probe glass is made from special material which is not easily broken.
If there is any damage, stop using it and contact Customer Support immediately.

Do not modify this device without authorization from the manufacturer.
Contact Customer Support immediately.

The thermometer is not repairable and contains no user serviceable parts.
If there is any problem, contact Customer Support immediately.

The thermometer requires no calibration.
If there is any problem, contact Customer Support immediately.

No modification of this thermometer is allowed.
If there is any problem, contact Customer Support immediately.

If this thermometer is modified, appropriate inspection and testing must be conducted to ensure continued safe use of the device.
If there is any damage, stop using it and contact Customer Support immediately.

The operator shall not touch the thermometer and the patient simultaneously. Keep the device out of children's reach.
For accidental swallowing of a battery, batteries, or protective film, please consult your doctor immediately.

For temperature difference between storage area and measurement site, condition the thermometer for about 30 minutes at room temperature (measurement site).
Failing to do so may cause inaccuracy.

Thermometer not intended for use by children.
Some parts are small enough to be swallowed.

Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

ELECTROMAGNETIC COMPATIBILITY

The ME EQUIPMENT or ME SYSTEM is suitable for home healthcare environments and so on.

Warning: Don't use near active HF surgical equipment and the RF shielded room of an ME system for magnetic resonance imaging, where the intensity of EM disturbances is high.

Warning: Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

If any: a list of all cables and maximum lengths of cables (if applicable), transducers and other ACCESSORIES that are replaceable by the RESPONSIBLE ORGANIZATION and that are likely to affect compliance of the ME EQUIPMENT or ME SYSTEM with the requirements of Clause 7 (EMISSIONS) and Clause 8 (IMMUNITY). ACCESSORIES may be specified either generically (e.g. shielded cable, load impedance), or specifically (e.g. by MANUFACTURER and EQUIPMENT OR TYPE REFERENCE).

If any: the performance of the ME EQUIPMENT or ME SYSTEM that was determined to be ESSENTIAL PERFORMANCE and a description of what the OPERATOR can expect if the ESSENTIAL PERFORMANCE is lost or degraded due to EM DISTURBANCES (the defined term "ESSENTIAL PERFORMANCE" need not be used).

1. All necessary instructions for maintaining BASIC SAFETY and ESSENTIAL PERFORMANCE with regard to electromagnetic disturbances for the excepted service life.
2. Guidance and manufacturer's declaration—electromagnetic emissions and immunity.

Table 1

Guidance and manufacturer's declaration - Electromagnetic emission

EMISSIONS TEST	COMPLIANCE
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Harmonic emissions IEC 61000-3-2	N/A
Voltage fluctuations / flicker emissions IEC 61000-3-3	N/A

Table 2

Guidance and manufacturer's declaration - electromagnetic immunity

IMMUNITY TEST	IEC 60601-1-2 TEST LEVEL	COMPLIANCE LEVEL
Electrostatic discharge (ESD) IEC 61000-4-2	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air	±8 kV contact ±2 kV, ±4 kV, ±8 kV, ±15 kV air
Electrical fast transient / burst IEC 61000-4-4	Power supply lines: ±2 kV Input / output lines: ±1 kV	N/A
Surge IEC 61000-4-5	Line(s) to line(s): ±1 kV Line(s) to earth: ±2 kV 100 kHz repetition frequency	N/A
Voltage dips, short interruptions, and voltage variations on power supply input lines IEC 61000-4-11	0% 0.5 cycle At 0°, 45°, 90°, 180°, 225°, 270°, and 315° 0% 1 cycle and 70% 25/30 cycles Single phase: at 0 0% 300 cycle	N/A
Power frequency magnetic field IEC 61000-4-8	30 A/m 50 Hz / 60 Hz	30 A/m 50 Hz / 60 Hz
Conduced RF IEC 61000-4-6	150 KHz to 80 MHz: 3 Vrms 6 Vrms (in ISM and amateur radio bands) 80% AM at 1 kHz	N/A
Radiated RF IEC 61000-4-3	10 V/m 80 MHz - 2,7 GHz 80% AM at 1 kHz	10 V/m 80 MHz - 2,7 GHz 80% AM at 1 kHz

Note: UT is the a.c. mains voltage prior to application of the test level.

Table 3

Guidance and manufacturer's declaration - electromagnetic immunity

	TEST FREQUENCY (MHz)	BAND (MHz)	SERVICE	MODULATION	MODULATION (W)	DISTANCE (m)	IMMUNITY TEST LEVEL (V/m)
Radiated RF IEC61000-4-3 (Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications equipment)	385	380-390	TETRA 400	Pulse modulation 18 Hz	1,8	0.3	27
	450	380-390	GMRS 460, FRS 460	FM ±5 kHz deviation 1 kHz sine	2	0.3	28
	710 745 780	704-787	LTE Band 13,17	Pulse modulation 217 Hz	0,2	0.3	9
	810 870 930	800-960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28
	1720 1845 1970	1700-1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation 217 Hz	2	0.3	28
	2450	2400-2570	Bluetooth WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28
	5240 5240 5785	5100-5800	WLAN 802.11 a/n	Pulse modulation 217 Hz	0,2	0.3	9

ONE-YEAR LIMITED WARRANTY

Visit www.insigniaproducts.com for details.

CONTACT INSIGNIA:

1-877-467-4289 (U.S. and Canada)
1-800-926-3000 (Mexico)
www.insigniaproducts.com

RoHS Please Recycle

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V2 English 20-0401