



ProScan™

Non-Contact Infrared Thermometer



016-660

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FEATURES

- Non-contact thermometer
- Instant readings (1 second)
- Professional accuracy and reliability
- Easy to use
- Multi-usage: body, surface and air
- Programmable alerts
- 3 languages + silent mode for taking temperature when child is sleeping
- Large backlit screen for nighttime readings
- 3 colour fever alerts
- Audio alerts signal peak temperature and fever
- Stores last 32 temperature readings
- Displays in °C or °F
- Auto shut-off conserves battery
- Longevity: 40,000 readings
- 2 year warranty
- 2 AA batteries included

INTRODUCTION

Congratulations, you now own the ProScan™ Non-Contact Infrared Thermometer, our latest infrared technology.

This innovative technology allows temporal artery (T.A.) temperature to be taken at a distance of about 3 cm - 5 cm away from the forehead. It has been demonstrated that this method of T.A. temperature reading is more precise than the tympanic thermometry and better tolerated than rectal thermometry^{1,2}. This means accurate, reliable and safe readings in an instant.

As with any thermometer, it is essential to use the ProScan™ Non-Contact properly to ensure accurate temperatures.

Please read these instructions carefully before using this product and keep the instructions and your ProScan™ thermometer in a safe place.

¹Greenes D, Fleisher G. Accuracy of a Noninvasive Temporal Artery Thermometer for Use in Infants, Arch Pediatr Adolesc Med 2001; 155:376.

²Allegaert, Casteels, van Gorp, Bogaert, Tympanic, infrared skin, and temporal artery scan thermometers compared with rectal measurement in children: a real-life assessment. Curr Ther Res Clin Exp. 2014 May 8;76:34-8. doi: 10.1016/j.curtheres.2013.11.005.eCollection 2014.

ADVANTAGES OF TEMPORAL ARTERY (T.A.) TEMPERATURE

The ProScan™ Non-Contact thermometer has been designed to produce an instant forehead temperature reading without any contact with the temporal artery. As this artery is quite close to the surface of the forehead skin, it allows precise reading of temperature. This artery is linked to the heart by the carotid artery which is directly linked to the aorta. It forms part of the main trunk of arterial system. The efficiency, speed and comfort of taking a temperature from this area make it ideal compared to other temperature reading methods.

SAFETY PRECAUTIONS

- This device may be used for professional purposes or for personal home use. It must only be used for the purposes described in this instruction manual.
- This device must only be used in an ambient temperature range of between 10°C and 40°C. Do not expose this thermometer to extreme temperature conditions of > 50°C or < -20°C.
- This device must always be kept in a clean, dry place.
- Do not drop the thermometer. Protect it from severe impact and shock.
- Do not expose the thermometer to sunlight or to water.
- Do not use this device in relative humidity higher than 85%.
- The protective glass over the lens is the most fragile part of the thermometer. Do not touch the glass with your fingers.
- Clean the glass with a cotton swab lightly moistened with 95% alcohol. Never use abrasive cleaning agents.
- Never use rechargeable batteries.
- Remove the batteries when thermometer is not used for an extended period of time to conserve battery life.
- Infrared thermometers should not be used on children under 2 years of age. For older children infrared thermometers should not be used to manage important health concerns.
- Use of this thermometer is not intended as a substitute for consultation with your healthcare professional.
- Infrared thermometers should not be used shortly after exercise, bathing or coming indoors.
- Do not disassemble to thermometer. Do not attempt to repair this device yourself. Should a problem occur, please contact A.M.G. Medical Customer Service.
- This thermometer should only be used under the supervision of an adult.
- Keep batteries out of reach of children.

IMPORTANT NOTES

- This thermometer is calibrated and ready to use.
- The reliability of the reading cannot be guaranteed if the body temperature is measured over any part of the body that is not the forehead temporal region.
- Body temperature increases by 0.5°C between 6:00 AM and 3:00 PM.
- Women have a temperature that is higher, on average, by around 0.2°C. Their temperature also varies in accordance with their ovarian cycle. It rises by 0.5°C in the second half of the cycle and at the early stages of pregnancy.
- When sitting, body temperature is lower by about 0.3°C to 0.4°C than when standing.

Age Range	Normal body Temperature	Fever	High Fever	Application Used
24 - 36 months*	35.9°C - 38.0°C (96.6°F - 100.5°F)	38.1°C - 39.0°C (100.6°F - 102.2°F)	> 39.0°C (> 102.2°F)	Rectal
> 3 years*	35.4°C - 37.7°C (95.7°F - 99.9°F)	37.8°C - 39.4°C (100.0°F - 103.0°F)	≥ 39.5°C (≥ 103.1°F)	Rectal
11 - 65 years**	35.9°C - 37.6°C (96.6°F - 99.7°F)	≥ 37.7°C (≥ 99.8°F)		Rectal
> 65 years**	35.8°C - 37.5°C (96.4°F - 99.5°F)	≥ 37.6°C (≥ 99.6°F)		Rectal

*Herzog L, Phillips S. Addressing Concerns About Fever. Clinical Pediatrics. 2011; 50(#5) 383-390.

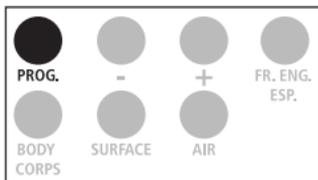
** Private field study, for information purposes only.

APPEARANCE, CONFIGURATION AND MENU FUNCTIONS

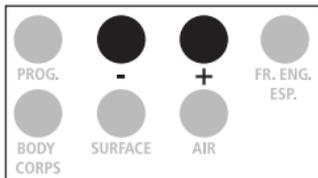
Choosing the Temperature Unit of Measure

Note: ProScan™ Non-Contact default is °C.

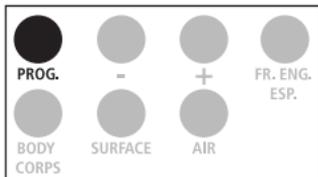
1. Press on the "PROG." button for 3 seconds, the screen displays F1.



2. Select "-" for °C or "+" for °F.



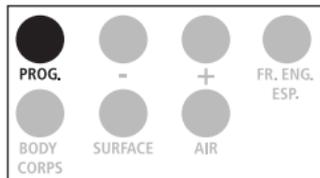
3. Confirm by pressing on the "PROG." button.



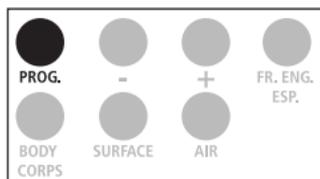
Audio Alert Set-up

Note: The audio alert threshold default value is 38°C (100.4°F) and is for body and surface temperature only. If the audio alerts threshold default settings are changed, only the audio alerts will be pertinent, not the colour alerts.

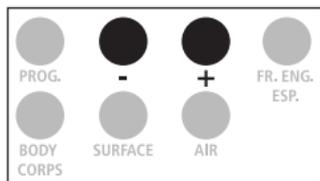
1. Press on the "PROG." button for 3 seconds, the screen displays F1.



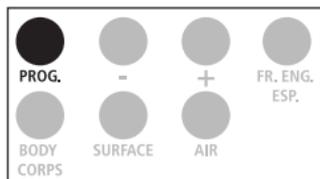
2. Press once more on the "PROG." button to get F2.



3. Select "+" to increase the threshold by 0.1°C (0.1°F), "-" to reduce it by 0.1°C (0.1°F).



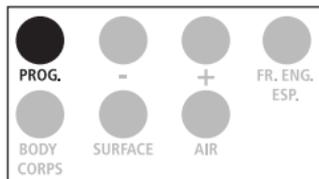
4. Confirm by pressing on the "PROG." button.



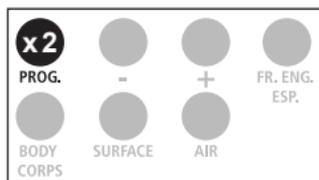
Choice of Default Display Mode: Body or Surface Temperature

Note: The ProScan™ Non-Contact default is set to BODY mode.

1. Press on the "PROG." button for 3 seconds, the screen displays F1.

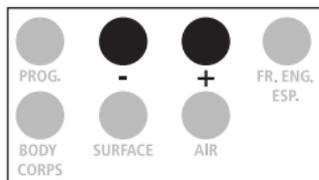


2. Press on the "PROG." button twice to get F3.

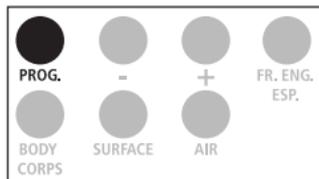


3. Select 0 by pressing on the "-" button to choose the BODY TEMP mode as default.

Select 1 by pressing on the "+" button to choose the SURFACE TEMP mode as the default.



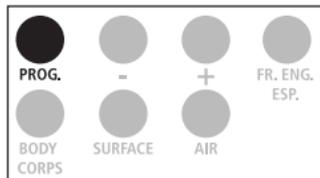
4. Confirm by pressing on the "PROG." button.



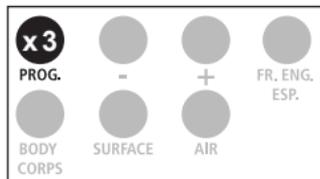
How to Calibrate the Thermometer

Note: The Non-Contact ProScan™ default is 0.0°C as the thermometer is already calibrated at the factory. You can calibrate your thermometer, but we recommend not to modify this setting.

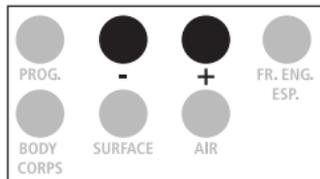
1. Press on the "PROG." button for 3 seconds, the screen displays F1.



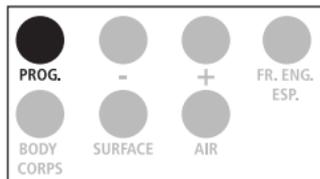
2. Press on the "PROG." button three times to get F4.



3. Select "+" to increase the difference by 0.1°C (0.1°F), "-" to reduce it by 0.1°C (0.1°F).



4. Confirm by pressing on the "PROG." button.



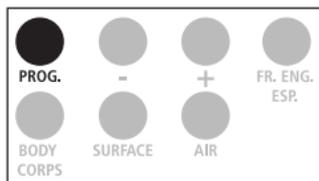
Note: If in doubt, do not modify this setting.

Each time there is a significant change in the ambient temperature due to a change in environment, allow the ProScan™ Non-Contact to adapt to the new ambient temperature for at least 15 minutes before using it.

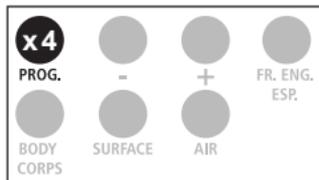
Audio ON/OFF

Note: ProScan™ Non-Contact default is set to 1 (ON).

1. Press on the "PROG." button for 3 seconds, the screen displays F1.

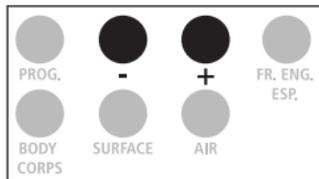


2. Press four times on the "PROG." button to get F5.

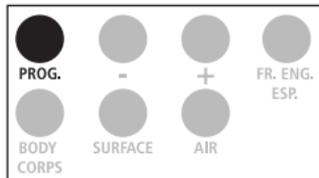


3. Select 0 by pressing on the "-" button to power off the default audio feature.

Select 1 by pressing on the "+" button to power on the audio as your default.

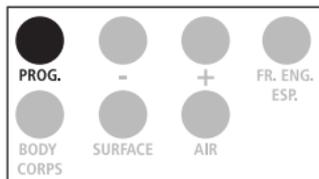


4. Confirm by pressing on the "PROG." button.



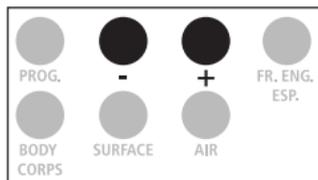
Exiting the setting mode

Press on the "PROG." button until the screen turns off.

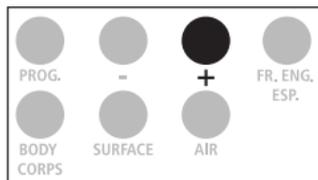


DATA MEMORY

1. To display the last temperature reading, press simultaneously on the “-” and “+” button.

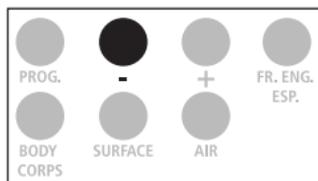


2. To switch to the previous reading, press on the “+” button.

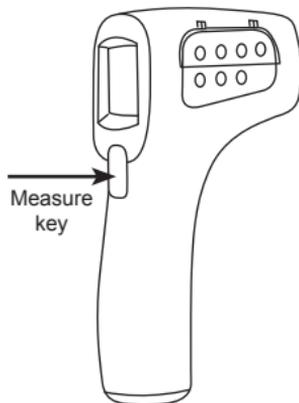


3. Press on the button “-” for review.

Note: The number indicated when changing from one reading to another corresponds to the number of readings.



4. To exit data memory, press the measure key. The ProScan™ Non-Contact backlight turns off in 5 seconds and the product will turn off in 30 seconds.



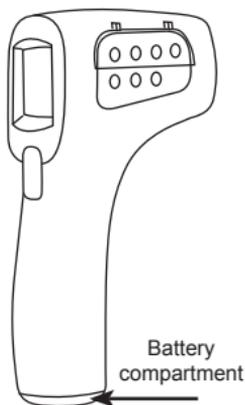
DIRECT SELECTION BUTTONS

1. The ProScan™ Non-Contact has been specially designed to take the body temperature of a human being by using the "BODY/CORPS" function.
2. You can also use the ProScan™ Non-Contact to measure the temperature of an object, food (baby food, etc.) or liquid (bath water, milk bottle, etc.) by selecting the "SURFACE" button.
3. By pressing the "AIR" button, you will obtain the temperature of the room.
4. By pressing the "FR. ENG. ESP." button, you can change the language from French to English to Spanish, or turn off the language function.

The default language setting is English.

CHANGING BATTERIES

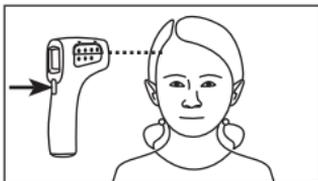
1. When the LCD screen displays "Battery", the battery needs to be replaced.
2. Open the lid and change the batteries, ensuring that they are aligned properly as indicated inside the battery compartment. A mistake with this could cause damage to the device and compromise the guarantee of your ProScan™ Non-Contact Infrared Thermometer.
3. Never use rechargeable batteries.



HOW TO MEASURE TEMPERATURE

Note: If the thermometer has been stored at a very low or very high temperature, allow the unit to adjust to room temperature for at least 15 minutes before using the device. Wait at least 5 seconds between consecutive readings.

1. Before taking temperature readings, make sure to avoid any drafts like air conditioning, etc.
2. Push back hair and wipe away any perspiration from the forehead temporal region.
3. Press the thermometer's measure key to turn of the device.
4. Aim at the forehead, over the right temporal region, from a distance of about 3 cm - 5 cm, press the thermometer's measure key and the temperature will be instantly displayed.



If the temperature reading is 38°C (100.4°F) or higher, you will hear 5 beeps and the LCD backlight colour will turn red which means that you have a high fever.

If the temperature reading is between 37.4°C - 37.9°C (99.3°F - 100.2°F), you will hear 1 beep and the LCD backlight colour will turn orange which means that you have a low fever.

Otherwise, you will hear 1 beep and the LCD backlight colour will display a green light which means no fever.

Note: If the audio alerts threshold default setting is changed, only the audio alerts will be pertinent, not the colour alerts.

5. Allow a 3 - 5 second intervals between two readings.
6. The device will automatically shut-off after 30 seconds.

* It is not recommended to drink, eat, smoke, shower or be physically active before/while taking a temperature reading. Please wait for at least 15 minutes prior to taking a measurement following any of the above listed items.

SPECIFICATIONS

Normal using condition	<ul style="list-style-type: none"> • Ambient temperature: 10°C-40°C(50°F-104°F) • Relative humidity: ≤ 85%
Batteries	2 x AA alkaline batteries
Unit size	16 cm x 10 cm x 4 cm (6.3" x 4" x 1.6")
Unit weight	131 g (without batteries)
Measuring range	<p>Note: In body mode, there are 3 backlight colours:</p> <ul style="list-style-type: none"> - Green: ≤ 37.3°C (99.1°F), means normal temperature - Orange: 37.4°C - 37.9°C (99.3°F - 100.2°F) means low fever - Red: ≥38°C (100.4°F), means high fever <ul style="list-style-type: none"> • In Body mode: 32°C ~ 42.9°C (89.6°F ~ 109.2°F) • In Surface mode: 0°C - 60°C (32°F - 140°F) • In Air mode: 0°C - 40°C (32°F - 104°F)
Precision	<p>Note: The ProScan™ Non-Contact Infrared Thermometer can take temperature readings below 32°C or above 42.9°C (89.6°F - 109.2°F) but precision is not guaranteed outside of this range.</p> <ul style="list-style-type: none"> • 32.0°C - 34.9°C (89.6°F - 94.8°F) ± 0.3°C (± 0.6°F) • 35.0°C - 42.0°C (95°F - 107.6°F) ± 0.2°C (± 0.4°F) • 42.1°C - 42.9°C (107.8°F - 109.2°F) ± 0.3°C (± 0.6°F)
Consumption	≤ 450 mW
Measuring distance	3 cm - 5 cm (1.2" - 2")
Automatic shut-off	30 seconds
Longevity	40 000 readings
Warranty	2 years

Note: The manufacturer reserves the right to alter the specifications of the product without prior notification.

TROUBLESHOOTING

Note: If you have one of the following problems while using your thermometer, please refer to this guide to help resolve the problem. If the problem persists and the product is still under warranty, please contact A.M.G. Medical's Customer Service Team at 1-800-363-2381 between 8:30 AM and 5:00 PM EST.

Problems	Comments	Instructions
Green backlit screen reads "Lo".	<ul style="list-style-type: none"> • The measured temperature is less than 32°C (89.6°F) in Body mode. • The measured temperature is less than 0°C (32°F) in Surface or Air mode. 	<ol style="list-style-type: none"> 1. Turn the unit off for 15 - 60 seconds and then turn on again. 2. Retake temperature using proper technique (3 cm - 5 cm (1.2" - 2")) and proper settings (Body, Surface, Air Mode). 3. Ensure normal room temperature: 10°C - 40°C (50°F - 104°F).
Red backlit screen shows "Hi".	<ul style="list-style-type: none"> • The measured temperature is superior to 42.9°C (109.2°F) in Body mode. • The measured temperature is superior to 60°C (140°F) in Surface mode. • The measured temperature is superior to 40°C (104°F) in Air mode. 	<ol style="list-style-type: none"> 4. Ensure there is no hair or perspiration hampering the reading if you are taking body temperature. 5. Ensure there are no air drafts or dramatic change in ambient temperature hampering the reading. 6. If the thermometer still reads "Lo", this indicates that the patient has a low body temperature. It could also mean that surface or air temperature is low. If it reads "Hi", this indicates that the patient has a high body temperature. It could also mean that surface or air temperature is high.

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