

WELCARE

DIGITAL THERMOMETER

INSTRUCTION MANUAL & WARRANTY INFORMATION

Models: **WDT101** (Standard) | **WDT202** (Deluxe) | **WDT303** (Ultimate)

Thank you for purchasing this Welcare Digital Thermometer.
Please keep this instruction manual in a safe place where it is readily available.
Note: The illustrations in this manual may differ slightly from the product itself.



Read Instructions Carefully Before Use



Important Safety Information

Read this section thoroughly before using the product. Please ensure you observe the safety instructions to avoid accidents, injury and damage.

Intended Purpose

- This product is intended for the measurement of human body temperature only. It is designed for private use.
- The use of temperature readings for self-diagnosis is dangerous. Consult with a doctor for the interpretation of results. Self-diagnosis may lead to the worsening of medical conditions.**
- This product is not intended for use by persons (including children) with limited physical, sensory or mental abilities or lacking experience and/or knowledge, unless they are supervised by a person responsible for their safety or have received and understand the instructions/ safety warnings for use of the product from this person in advance.

Safety Warnings

- KEEP BATTERIES OUT OF REACH OF CHILDREN**
 - Swallowing may lead to serious injury in as little as 2 hours or death, due to chemical burns and potential perforation of the oesophagus.
 - If you suspect your child has swallowed or inserted a button battery immediately call the 24-hour Poisons Information Centre on 13 11 26 (Australia) or 0800 764 766 (New Zealand) for fast, expert advice.
 - Examine devices and make sure the battery compartment is correctly secured, e.g. that the screw or other mechanical fastener is tightened. **DO NOT** use if compartment is not secure.
 - Dispose of used button batteries immediately and safely. Flat batteries can still be dangerous.
 - Tell others about the risk associated with button batteries and how to keep their children safe.
- Keep the packaging, product and its components out of reach of children. This product contains small parts, which are a **choking hazard** if swallowed.
- DO NOT** let children play with the product.
- A high or prolonged fever requires medical attention, especially for young children. Please contact a doctor.**
- DO NOT** use the product to measure anything other than human body temperature.

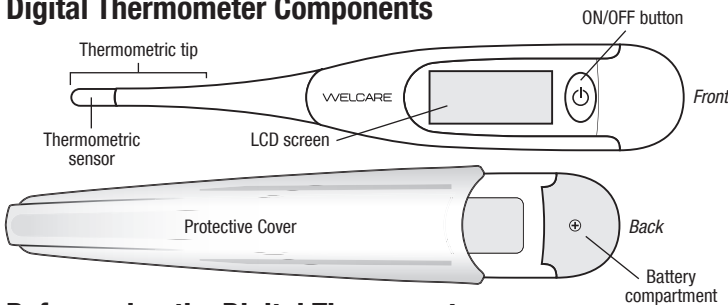


- This product is for oral, rectal or underarm use only. **DO NOT** attempt to take temperatures at other sites, such as in the ear, as it may result in false readings and may lead to injury.
- Oral use is only for ages 4+.
- Avoid using the product during or within 30 minutes after strenuous exercise; a shower, bath or sauna; using a cold compress; heavy alcohol consumption; smoking and food or drink intake.
- Always clean/disinfect the product before and after use to avoid cross contamination.
- Only clean with disinfectant (70% medical alcohol) using a damp cloth. **DO NOT** use harsh chemical cleaning agents (refer to Cleaning section).
- DO NOT** immerse the product under water; rinse with hot water over 50°C; soak in alcohol for a long period of time; or use ultrasonic washing to clean the product as this can damage the electronics.
- DO NOT** attempt measurements when the product is wet as inaccurate readings may result.
- DO NOT** bite on the product.
- Avoid excessively bending the thermometric tip. **DO NOT** bend more than 45 degrees.
- DO NOT** force the product into the rectum. Stop insertion and abort the measurement when pain is present.
- DO NOT** attempt rectal measurements on persons with rectal disorders.
- DO NOT** drop, step or place heavy objects on the product, as it is a precision instrument.
- DO NOT** store the product in the protective cover when it is damp. Wipe it off with a clean dry soft cloth first.
- DO NOT** attempt to open or disassemble the product (other than the battery compartment).
- Only use batteries specified for the product.
- This product is equipped with a Zinc Manganese Alkaline or Lithium Manganese Button Battery. Failure to follow these instructions could cause the battery to leak, become hot, explode or ignite and cause injury and/or damage:
 - DO NOT** expose to temperatures over 55 °C.
 - If battery leakage occurs and comes into contact with the skin or eyes, immediately rinse with plenty of water and seek medical advice.
- Install the battery carefully with the polarity in the correct position.
- DO NOT** use batteries after their expiration date.
- Periodically check the battery to ensure it is in good working condition.
- Replace worn batteries with new ones immediately. Dispose of the old batteries according to current local regulations.
- Remove batteries carefully if the product is not going to be used for a long period of time.
- DO NOT** throw batteries into fire.
- DO NOT** use with other electrical or medical equipment simultaneously.
- DO NOT** use within 30cm of a mobile device or a device that emits electromagnetic fields as this may cause interference with the functioning of the products.
- DO NOT** use or store the product in the following conditions:
 - Near sources of heat, in hot water, direct sunlight or high temperature
 - Moist or humid environments
 - Dusty locations
 - Near fire, flammable gas, chemicals or oxygen rich environments
 - Locations easily subject to vibrations or shock or in a pressurized container
 - In high frequency or strong magnetic field areas - e.g. surgical equipment, MRI, CT, microwave oven

Package Contents

- 1 x Thermometer
- 1 x Protective Cover
- 1 x Battery (installed in product)
- 1 x Instruction Manual & Warranty Information

Digital Thermometer Components



Before using the Digital Thermometer

- Check the product is intact. **DO NOT** use if broken.
- Read the instruction manual thoroughly before taking the measurement.
- Allow product to rest for at least 30 minutes at room temperature (5°C – 32°C).
- The user must remain in a stable environment for at least 5 minutes prior to taking a reading.
- Test the user's temperature when they are well so there is a comparison when they are unwell.
- Temperature readings are affected by many factors including physical exertion, the drinking of hot or cold beverages before measurement, as well as measuring technique.
- Avoid using the product during or within 30 minutes after exercise; a shower, bath or sauna; using a cold compress; heavy alcohol consumption; smoking and food or drink intake.

- Underarms must be clean and free of sweat, deodorant and scars, etc. for underarm use.
- Always make sure the thermometric sensor is clean before each use.
- When measuring the temperature of an infant, note that infant body temperature is generally higher than adult body temperature and easily affected by external factors. For example, body temperature tends to increase after nursing or crying. Therefore, it is recommended to take measurements when the infant is calm.

Using the Digital Thermometer

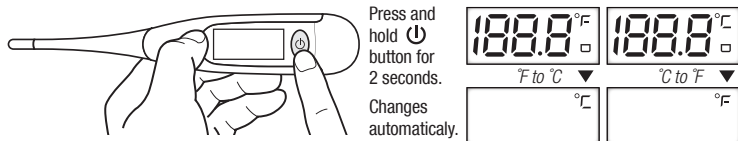
The use of temperature readings for self-diagnosis is dangerous. Consult with a doctor for the interpretation of results. Self-diagnosis may lead to the worsening of medical conditions.

Switching the measuring unit between °C and °F

FARENHEIT/CENTEGRADE CONVERSION CHART											
°F	94	95	96	97	98	99	100	101	102	103	104
°C	34.4	35.0	35.6	36.1	36.7	37.2	37.8	38.3	38.9	39.4	40.0

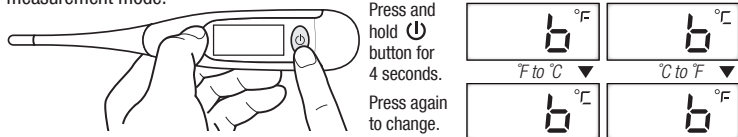
WDT101 & WDT202 models:

While the product is OFF, press and hold the button for 2 seconds until the measuring unit changes. The product will automatically save your choice once you let go of the button and run a self-check before going into measurement mode.



WDT303 model:

While the product is OFF, press and hold the button for 4 seconds, the screen will show and the current measuring unit in use. Press the button again to switch the measuring unit. The product will automatically save your choice and run a self-check before going into measurement mode.



Taking a Temperature Measurement

Note: The ambient temperature for use must be between 5-32°C. This product is a maximum thermometer, i.e. the displayed temperature can increase slightly if measurement continues after the beep. Holding the product too long may cause a higher ambient temperature reading of the probe. This could make the body temperature measurement lower than usual.

Before using, please disinfect the thermometric tip (refer to Cleaning section).

- To turn on, press the button next to the screen; a short beep will sound, indicating that the product is operational.
- At the same time the product runs a self-check test, during which all the digital segments appear on the screen.
- The memory will show the last reading on the screen for 2 seconds.
- A default value of 37.0°C or 98.6°F will display for 2 seconds (*WDT101/WDT202 only*).
- When the letters or and a “flashing” °C or °F display, the product is now ready for use.**
- Refer to **Methods of measuring temperature** section for placement instructions.
- Keep the user still during the measurement.
- During the measurement, the °C or °F symbol “flashes” and a temperature will be displayed that will continue to change until a constant temperature is reached.
- The temperature value is considered constant when the temperature rises less than 0.1°C within 16 seconds (*WDT101*) / 8 seconds (*WDT202*) / 4 seconds (*WDT303*).

- As soon as the constant temperature value is reached, a beep will sound multiple times [10 times (*WDT101 and WDT202*) / 12 times (*WDT303*)] and the °C or °F symbol will stop flashing.
- Once the beeping has stopped the measurement is completed. Remove the product from the measurement site.
- The highest temperature measured appears on the screen.
- Turn the product off by pressing the button.
- Although the product will turn off automatically, to conserve battery it is recommended to turn the product off manually after each reading.
- The reading will automatically be stored in the memory.

Note: If choosing to take a second measurement, wait 60 seconds for the product to reset before restarting the product.

Memory Function

- The last measured temperature will display on the screen for approximately 2 seconds after the self-check when the product is turned on.
- WDT101/WDT202 models:** The reading will be over-written after the screen displays the default value of 37.0°C.
- WDT303 model:** The reading will only be over-written when a new temperature value is recorded.

Methods of Measuring Temperature

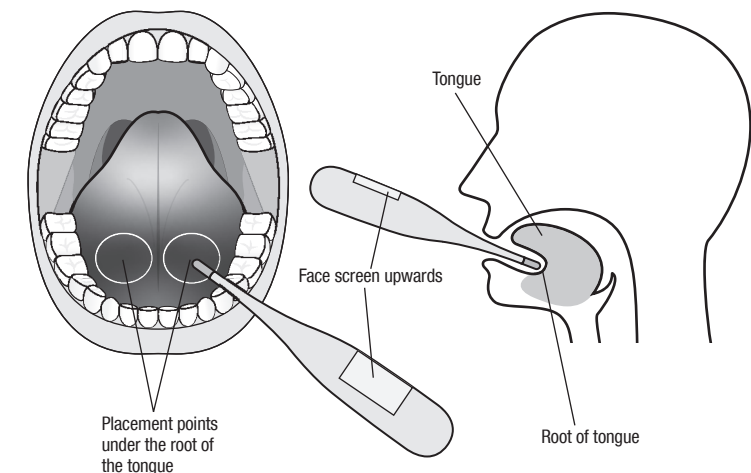
Note: Measurement accuracy cannot be assured when the method used to measure the temperature is incorrect. If multiple measurements are taken over a period of time, it is important to use the same method of measurement each time so the results are comparable, i.e. do not interchange between oral, rectal or underarm measurements. If taking multiple measurements within a short period of time, allow the thermometer to return to room temperature prior to taking each measurement.

	WDT101	WDT202	WDT303
Number of beeps when measurement complete	10 long beeps	10 long beeps	12 long beeps
Fever alarm	≥ 37.8°C (100°F) = 10 sets of quick beeps	≥ 37.8°C (100°F) = 10 sets of quick beeps	≥ 37.8°C (100°F) = 12 sets of quick beeps
Oral timing (approx.)	50-70 seconds	25 seconds	25 seconds
Rectal timing (approx.)	40-60 seconds	10 seconds	10 seconds
Underarm timing (approx.)	80-120 seconds	23-29 seconds	23-29 seconds
Automatic shut-off (approx.)	10 minutes	10 minutes	4 minutes

Oral (ages 4+ only)

Note: **DO NOT** eat or drink anything before the measurement, or bite on the product.

- To ensure that reading is as accurate as possible, place the thermometric sensor to the left or right of the underneath/root of the tongue. Ensure the screen faces upwards.
- The thermometric sensor must have constant contact with the tissue during the reading and be placed under the tongue in one of the two heat pockets at the back. Press the tongue down to hold the product in place.
- Keep the mouth closed during the reading and breathe evenly through the nose, while holding onto the product to keep it from moving during measurement.
- There are different heat zones in the mouth. As a general rule, the oral temperature is 0.3°C to 0.8°C lower than the rectal temperature.



BACK OF WARRANTY FORM

PLEASE COMPLETE THE FORM ON THE REVERSE AND RETURN THIS PORTION ONLY IF YOU RETURN YOUR PRODUCT FOR REPAIR UNDER WARRANTY.

Rectal

Note: This is the most accurate method from a medical point of view, because it comes closest to the core body temperature. It is commonly used for young children when it is difficult to take an oral or underarm temperature. **DO NOT** attempt rectal measurements on persons with rectal disorders.

- Lubricate with a water-soluble gel. **DO NOT** use petroleum jelly.
- Gently insert the thermometric sensor **no more than 2cm** into the rectum.
DO NOT force the product into the rectum. Stop insertion and abort the measurement when pain is present.

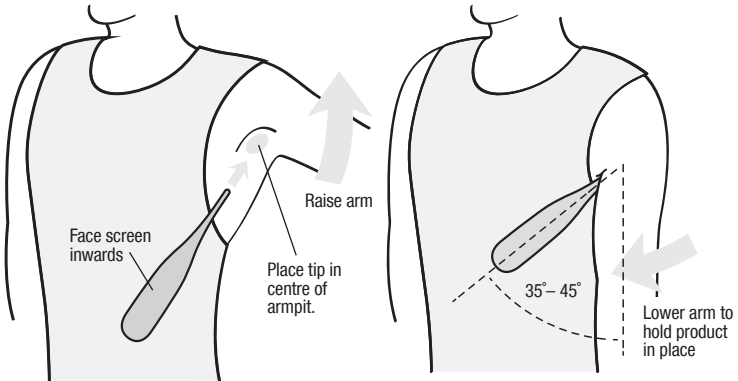
Note: The rectal method is the most accurate method for identifying the basal temperature and it is advised to extend the measuring time by 3 minutes after the beep (WDT101/WDT202) or 1 minute after the beep (WDT303).

Underarm (axillary)

Note: Wipe off any underarm perspiration and deodorant prior to taking a reading under the arm.

- Place the thermometric sensor in the centre of the armpit. It must be touching the skin, remove clothing if necessary.
- Turn the screen so that it faces inwards.
- Hold the product in place by slightly applying pressure inwards towards the body.
- The product should be placed at an angle of 35-45 degrees in relation to the arm.
- When using with infants or young children, it is advised to gently hold their arm in place while taking the measurement.

Placing the product in the armpit provides a measurement of surface temperature that can fluctuate by around 0.5°C to 1.5°C from rectal temperature readings in adults.



Note: An exact reading cannot be obtained if, the armpits have been allowed to cool. If this is the case, we recommend extending the measuring time by around 5 minutes in order to obtain the most precise possible reading that corresponds as closely as possible to the core body temperature.

Maintenance

Cleaning



- Always clean/disinfect the product before and after use to avoid cross contamination.
- Only clean with disinfectant (70% medical alcohol) using a damp cloth.
- Rinse only the thermometric tip under slow running cold water and then dry with a clean soft cloth.
- DO NOT** use harsh chemical cleaning agents.
- DO NOT** immerse the product under water; rinse with hot water over 50°C; soak in alcohol for a long period of time; or use ultrasonic washing to clean the product as this can damage the electronics.

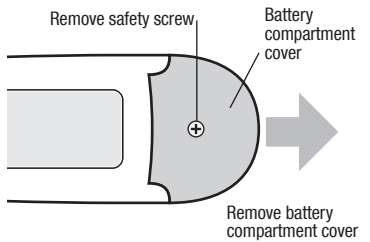
Storage

- Wipe away any dirt and dust from the product.
- Store the product in it's protective cover while not in use.
- DO NOT** store the product in the protective cover when it is damp. Wipe it off with a clean dry soft cloth first.
- Store in a safe cool dry place, away from children as per Safety Warnings.
- DO NOT** place any heavy objects on the product.

Battery Replacement

Note: When removing the battery compartment cover, be aware that they rubber seal may fall off. This can be easily placed back on. **DO NOT** lose the rubber seal or screw as this will affect the water resistance and safety of the product. The screw is a self-tapping screw (1.4x2mm). Please contact us for a replacement if you lose the seal or screw.

- When the low battery symbol is shown  or  on the bottom right of the screen, please replace the battery.
- Using a small Phillips head screwdriver size #00 or #000 to remove the safety screw from the back of the battery compartment cover.
- Remove the battery compartment cover and battery carefully.



Note: WDT101/WDT202 models: Gently pull out the inner frame **no more than 15mm**, just enough to expose the battery to avoid damaging the internal components.



The battery may require a thin pointy object such as a paperclip to help remove it.

- Dispose of the old battery according to current local regulations.
- Only use batteries specified for the product.

Model	WDT101	WDT202	WDT303
Battery Type	LR41 (1.5V)	LR41 (1.5V)	CR1632 (3V)

- Install the battery carefully with the polarity in the correct position with the positive(+) polarity facing towards the screen as shown.
- Replace the battery compartment cover (and rubber seal) and ensure the safety screw is tightly secured.

Troubleshooting

Problem	Possible Cause	Solution
L or L ₀ and a “flashing” °C or °F	This is normal.	The product is now ready for use.
H°C/°F or H ₀ °C /°F	The ambient temperature is above 42.9°C (WDT101/WDT202) or 42.0°C (WDT303).	A measurement cannot be taken. Allow the product to cool down or warm up for 30 minutes in a room between 5 - 32°C.
A temperature is being displayed with the °C or °F “flashing” prior to taking a measurement.	The ambient temperature is between 32°C and 42°C (WDT303) or 42.9°C (WDT101/WDT202).	
The L or L ₀ does not disappear off the screen when taking a measurement.	The ambient temperature is below 5°C.	
The measurement numbers keep changing during measurement.	This is normal.	Please wait until the product has reached a constant temperature. It will beep to alert you when the reading is complete.
The product is beeping.	This is normal.	The product beeps once a constant temperature is reached to indicate that the measurement is complete.
The product is beeping quickly.	This is the fever alarm.	Consult with a doctor for the interpretation of results. Self-diagnosis may lead to the worsening of medical conditions.
The  or  symbol appears on the screen.	Low battery indicator.	Replace battery.
The unit automatically turns off.	This is normal.	The product will shut-off automatically if not turned off manually.
Error	Start-up error.	Restart or reinstall the battery.
Wide difference in readings.	The thermometric sensor is being placed at a different location for each reading.	When comparing readings, always ensure to place the product in the same measurement site each time according to the <i>Methods of measuring temperature section</i> .
	The product is moved while the temperature is being taken.	Ensure the product is kept still.
	The mouth is kept open while the measurement is in progress.	Keep the mouth closed during the reading and breathe evenly through the nose.
The product won’t turn on.	The battery has run out of power.	Replace the battery.
	The battery may be installed incorrectly.	Please insert the battery with the polarity in the correct direction as per the Battery Replacement section.
The backlight on the WDT303 turns off during measurement.	This is normal.	The backlight only shows on start-up and once a reading is obtained.

If the problem is not solved by the troubleshooting guide or you have any queries, please contact our service centre:


In Australia - 1800 807 464

In New Zealand - 0800 523 583

DO NOT attempt to open or repair the product yourself.

Note: The product is initially calibrated at the time of manufacture. If this product is used according to the instructions, re-calibration should not be required. However, if you feel that the product is out of specification, please contact us.

Technical Data

Model	WDT101	WDT202	WDT303
Power Type/Rating	Zinc Manganese Alkaline Button Battery (LR41 1.5V DC)		Lithium Manganese Button Battery (CR1632 3V DC)
Battery Life	Approx. 100 hours of continuous operation		
Thermometer Type	Maximum (Oral, Rectal & Underarm). Sensing unit = Thermistor.		
Measurement Range	32.0 - 42.9°C / 89.6 - 109.2°F		32.0 – 42.0°C / 89.6 – 107.6°F
Measurement Scale Increments	0.1°C / 0.1°F		
Measurement Accuracy	35.5 - 42.0°C / 95.9 - 107.6°F = +/- 0.1°C / 0.2°F 32.0 - 35.5°C & 42.0 - 42.9°C / 89.6 - 95.9°F & 107.6 - 109.2°F = +/- 0.2°C / 0.4°F		35.5°C - 42.0°C / 95.9°F - 107.6°F = +/-0.1°C / 0.2°F 32.0°C - 35.5°C / 89.6°F - 95.9°F = +/-0.2°C / 0.4°F
Operating Conditions	🔻 Temperature: 5 - 32°C 🌡️ Humidity: ≤80°C RH (non-condensing) 🌬️ Atmospheric pressure: 700hPa to 1060hPa		
Storage/Transport Conditions	🔻 Temperature: -25 - 55°C 🌡️ Humidity: ≤95°C RH (non-condensing) 🌬️ Atmospheric pressure: 700hPa to 1060hPa		
Dimensions	143mm x 25mm x 15mm (out of packaging)		
Weight	Approx. 19g (out of packaging)		
IP Rating	IP22 The first digit indicates the level of protection that the enclosure provides against access to any hazardous parts and the ingress of solid foreign particles. 2 = protection against particles >12.5mm The second digit indicates the level of protection that the enclosure provides against the harmful ingress of water. 2 = protection against dripping water when tilted up to 15°		
Applied Part	 Type BF Equipment — Degree of protection against electric shock		
Materials	ABS + TPE plastic, Stainless Steel, Silica Gel, LCD Screen, Nickel Plated Iron Safety Screw		
Contents	Welcare Digital Thermometer, Protective Cover, Battery (installed in product), Instruction Manual		



Manufactured by:

 HANGZHOU HUA'AN MEDICAL & HEALTH INSTRUMENTS CO., LTD.

Building 2, 1# Fuzhu Nan RD, Wuchang Town, Yuhang District, Hangzhou, Zhejiang 310023, China.



This device complies with the provisions of the EC directive 93/42/EEC (Medical Device Directive) and the European Standard EN124703:2000+A1:2009, Clinical thermometers - Part 3: Performance of compact electrical thermometers (nonpredictive and predictive) with maximum device.

Important information regarding Electro Magnetic Compatibility (EMC)

Welcare Digital Thermometer manufactured by Hangzhou Hua’an Medical & Health Instruments Co., Ltd. conforms to EN60601- 1-2:2015 Electro Magnetic Compatibility (EMC) standard.

Further documentation in accordance with this EMC standard is available at <http://www.estore.jadavey.com.au>



Disposal

At the end of its life, please treat this product and batteries as electronic waste and dispose of responsibly according to current local regulations.

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Warranty

PRODUCT WARRANTY

Please register your warranty information at:

AUS – www.jadavey.com.au

NZ – www.jadavey.co.nz

This Welcare Digital Thermometer product is warranted to be free of manufacturing defects for 1 year from the date of purchase*. This warranty is void if the product is modified, altered or subject to misuse or abuse, damaged in transit or lack of responsible care, is dropped, if damage occurs by reason of failure to follow the written instruction booklet enclosed, or if product repairs are carried out without authority from J.A. Davey Pty Ltd.

We will repair, or at our option replace free of charge, any parts necessary to correct material or workmanship, or replace the entire unit and return to you during the period of the warranty. Otherwise, we will quote for any repair which will be carried out on acceptance of our quotation.

The benefits conferred by this warranty are in addition to all other rights and remedies in respect of the product, which the consumer has under the trade practices act and other state or territory laws in Australia and New Zealand.

Our goods come with guarantees that cannot be excluded under Australian and New Zealand Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

*Please note the batteries are not covered under warranty.

BEFORE YOU SEND IN YOUR UNIT FOR SERVICE

Before sending in your unit for service, please take a few minutes to do the following: In your instruction manual, read the troubleshooting section that describes common errors, their cause and remedies. Product instruction manuals can be downloaded online.

Contact Welcare Digital Thermometer customer service. Our staff are trained to assist you with most issues you may have experienced, without the need to send your product in for service.

PLEASE CALL OUR TOLL FREE NUMBER:

IN AUSTRALIA:

Free call: 1800 807 464

IN NEW ZEALAND:

Free call: 0800 523 583

SENDING IN YOUR UNIT FOR SERVICE

- Should repair be needed within the warranty period, enclose the tear off section of this warranty card and your proof of purchase receipt. Please ensure all relevant details are completed before sending your unit in for service. Please ensure your contact details are still current and include a brief description of the problem you are experiencing together with your purchase receipt.
- Include the unit with all product components in your package. This is extremely important, so our repair technicians can make the correct diagnosis with any problems.
- Please return the unit, warranty card or repair form at your cost to:

IN AUSTRALIA

J.A. Davey Pty Ltd
Welcare Digital Thermometer Repairs
PO Box 84, Port Melbourne
Victoria, Australia 3207

IN NEW ZEALAND

BV Medical
Welcare Digital Thermometer Repairs
Unit 7, 110 Mays Road, Onehunga
Auckland, New Zealand 1061

Warranty Form

PLEASE RETAIN THE WARRANTY CARD AND RETURN THIS PORTION ONLY WHEN YOU RETURN YOUR PRODUCT FOR REPAIR UNDER WARRANTY.

NAME: _____

ADDRESS: _____

POSTCODE: _____ DAYTIME PHONE: _____

EMAIL: _____

MODEL: _____ DATE OF PURCHASE: ____ / ____ / ____

PLEASE ATTACH PROOF OF PURCHASE

RETAILER'S NAME: _____

RETAILER'S ADDRESS: _____

POSTCODE: _____

BRIEF DESCRIPTION OF PROBLEM YOU ARE EXPERIENCING: _____

WARRANTY IS VOID UNLESS THE ABOVE INFORMATION IS COMPLETED AND CORRECT.