

Adtemp™ 422 Digital Veterinary Thermometer



Use, Care, and Maintenance



Intended Use:

A digital thermometer is a device used to measure the body temperature of animals by means of a transducer coupled with an electric signal amplification, conditioning, and display unit.

Safety Information:

- Read the enclosed instructions carefully to ensure accurate temperature readings.
- **WARNING:** Keep battery out of children's & animal's reach. Swallowing battery could be harmful. Battery should not be recharged or placed into extreme heat as it may explode.
- **CAUTION:** Probe covers are required to avoid contamination.
- **CAUTION:** Do not boil, bite, bend, drop, or disassemble this thermometer.
- **CAUTION:** Do not autoclave. Please note the cleaning procedures described in this manual.
- **CAUTION:** Do not dispose of this thermometer and its battery in fire. Please recycle the used battery.
- **CAUTION:** Avoid taking temperature for 30 minutes after physical exercise, bathing, or eating.
- **CAUTION:** Always keep this thermometer away from direct sunlight, moisture, extreme temperatures, and dirt while in use, storage, or transport.
- **CAUTION:** When the ambient temperature is greater than 95°F or 35°C, immerse the probe tip into cold water for 5-10 seconds before normal use.

How to take temperature:

1. Place a probe cover carefully over the tip (Figure 1). The use of a probe cover is recommended to help avoid spreading germs, and to keep the thermometer clean. The thermometer should be cleaned after use even when probe covers are used.
2. Press down the Multi-Function button to start the thermometer. Then, a full display

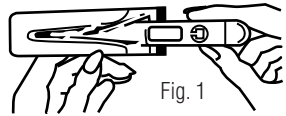


Fig. 1

- 168:3 (168:3) ensures that the LCD window is operating correctly.
3. The **[OK]** symbol will appear, indicating normal operation after internal safe testing. If the unit is not functioning correctly **[Err]** will appear indicating a malfunction.
4. The ambient temperature or **[Lo°]** (**[Lo°]**) will display on the window with °F or °C blinking. The thermometer is now ready for use. If there is no temperature taken in the following 3 minutes, the thermometer will automatically shut-off.
5. Put the probe tip in the rectum according to the method provided. (See Method of Use).
6. When the reading is complete, °F or °C stops blinking and the measured temperature displays on the LCD window with one series of beeps.
7. The thermometer prolongs its measurement process in the next 1 minute. After that, the measured temperature is fixed and shown on the LCD window until auto shut-off in 9 minutes.
8. When the measured temperature is above or below the measuring range, the LCD window displays **[Hi°]** (**[Hi°]**) or **[Lo°]** (**[Lo°]**).

Method of use:

Rectal Measurement (Approx. 10-15 seconds). Lubricate the probe tip with vaseline for easier insertion. Then, softly push the probe tip into the rectum approximately 1" (2 to 3 cm) in depth. Stop if you encounter resistance.

Operation of the °F - °C feature (How to change the measuring scale)

1. Press the Multi-Function button 2 times, one right after another.
2. Hold the second press down for more than 1.5 seconds.
3. Symbol $\square^{\circ F}$ or $\square^{\circ C}$ appears, with beep, on the display window.

How to recall the Last Temperature:

Press the Multi-Function button down for approx. 1.5 seconds. The last temperature will appear on the LCD window (37.0°) (68.6°) with "M" flag at bottom right corner.

Reference temperature ranges:

Pig:	101.8°F or 38.8°C (Female) 100.9°F or 38.3°C (Male)	Cattle:	100.9-101.8°F or 38.3-38.8°C
Horse:	99.5-100.4°F or 37.5-38.0°C 99.5-101.3°F or 37.5-38.5°C (Foal) 101.3-101.8°F or 38.5-38.8°C (Newborn)	Goat:	101.5-104.0°F or 38.6-40.0°C
Sheep:	101.3-103.6°F or 38.5-39.8°C 101.1-104.4°F or 38.5-40.2°C (Under 1 yr) 101.1-104.0°F or 38.4-40.0°C (Over 1 yr)	Dog:	99.5-102.2°F or 37.5-39.0°C
		Puppy:	101.3-104.0°F or 38.5-40.0°C
		Cat:	100.4-103.1°F or 38.0-39.5°C
		Rat:	98.6-103.1°F or 37.0-39.5°C
		Poultry:	106.7-108.5°F or 41.5-42.5°C

Changing the battery:

1. When the battery flag \square appears and blinks, it means the battery needs replacement.
2. Turn thermometer over, with label side facing up. Pull off cover (Fig. 1).
3. Remove used battery with a pointed object (except sharp metal). (Fig. 2).
4. Replace with new battery (1.5V) with Cathode side (-) up. (Fig. 3).
5. Close cover securely. (Fig. 4).



Fig. 1

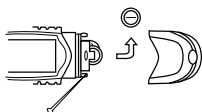


Fig. 2

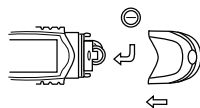


Fig. 3



Fig. 4

How to care for this product:

- For household use, always clean and disinfect the probe tip before and after each use.
- Mild soapy water and 70% isopropyl alcohol is recommended.
- Do not boil, clean, or disinfect in washing machine.

Specifications

Size: 5 3/4" L x 1" W x 3/4" H (14.6cm L x 2.54cm W x 1.9cm H)

Weight: 0.8 oz (11 grams)

Display: LCD, Liquid Crystal Display

Battery: 1.55v (LR41) Alkaline

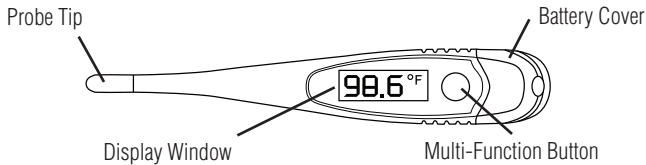
Battery Life: Estimated 1,500 uses

Measurement Time: Rectal 10 Seconds

Measurement Range: 90.0°F to 111.9°F / 32.0°C to 43.9°C

Accuracy:	$\pm 0.2^{\circ}\text{F}$ / $\pm 0.1^{\circ}\text{C}$ between 90.0°F to 111.9°F / 32.0°C to 43.9°C at room temperature of 50°F to 113°F / 10°C to 45°C
Measurement Mode:	Real measurement with peak-hold method
Audible Alarm:	1 beep at start-up. Continuous beep at measurement completion
Auto Turn Off:	In approximately 10 minutes
Memory Feature:	Stores last temperature taken

Parts and Assembly



Warranty

This Thermometer is guaranteed for a period of 24 months from date of purchase. This warranty does not cover batteries, or damage resulting from improper handling or use. Specific legal rights stipulated in your state may guide this warranty. If you have a legitimate claim under this warranty, send item(s) postage paid to Service Center, Attn: Repair Dept., 55 Commerce Dr., Hauppauge, NY 11788. Please include your name and address, ph no no., proof of purchase, a brief note explaining the problem, your return address and \$2.00 to cover shipping and handling.



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