

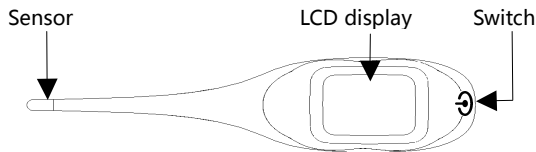
# Thermometer BIG FLEX COMED

**REF 68 000 83**

TM12 Electronic Digital Thermometer adopts scientific technology of microcomputer. It breaks through the traditional disadvantages of the mercury thermometer of mercury pollution and inconvenient reading with features of fast measurement, safety and simply operation.

## A) Specification

Measuring Range: 32.0°C~42.9°C (90°F~109.9°F)  
 Accuracy: ±0.1°C (±0.2°F) for 35.0~42.0°C (95°F~107.6°F) & ±0.2°C (±0.4°F) for remaining range at an ambient of 22°C (71.6°F)  
 Display: 3 1/2 LCD digits (Unit of display : 0.1°C/0.1°F) or 4 1/2 LCD digits (unit of display : 0.01°C/0.01°F)  
 Battery: LR1130 alkaline  
 Power Consumption: 0.15 mW  
 Dimensions: 137mm(L) x 34mm(W) x 15mm(H)  
 Battery life: About 250 hours or 1000 times.  
 Weight: 22 g



## B) How to use



- 1) Press power switch, the screen shows the full segment with a sound of "Bi", which indicates sufficient power and normal self-test routine as well as for measurement.
- 2) Memory function :After the full segment, the last measured value with the letter of "Last memory" are displayed, then returns to show 37.0°C/98.6°F
- 3) Release the button, then displays "Lo°C" or "Lo°F" and ready to measure. During measurement the symbol "C" or "F" will flash while the temperature is climbing. On getting a maximum value, the symbol "C" or "F" will cease flashing. This will also happen when temperature increase remains below 0.1°C/0.2°F for about 16 seconds. If temperature remains below 32.0°C/90°F, the symbol "C" or "F" will flash for about 60 seconds. Then it will auto-off for saving power.
- 4) A buzzing tone will be heard for about 10 seconds which means the finish of measurement.
  - a. Normal alarm: sound of "bi...bi...bi...bi..." means normal temperature that below 37.8°C/100°F.
  - b. Fever alarm: Sound of "bi,bi,bi" means fever that the temperature is above 37.8°C/100°F.
- 5) During measurement: LCD will display "Lo°C" or "Lo°F" if the measured temperature is below 32.0°C (90°F), or will display "Hi°C" or "Hi°F" if the measures temperature is above 43.0°C/109.9°F
- 6) Turn off the unit by just slightly pressing power switch, or leave it for above 9 minutes, it will auto-off for saving power.
- 7) °C/°F unit exchanged function : the PSW switch w as pushed over 2 sec after power-on , then °C/°F unit will be exchanged .
- 8) Children should be under close supervision at all times while using this product. After monitoring the temperature, the unit should be removed from the child immediately.

## C) Measurement:

You are advised to measure your temperature at specific time in morning, if it is earlier or later, the temperature would be lower or higher.

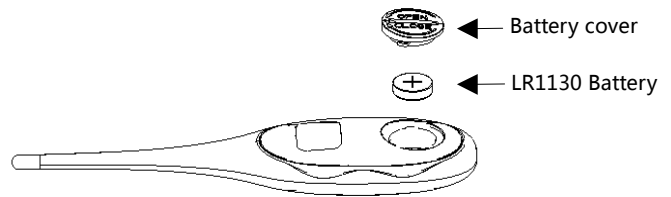
- 1) Used in mouth: Please close your mouth for 1 minute for stability of temperature, breath calmly through nose. Respiratory air would affect the accuracy of measure of your mouth.  
 Normal tem.: About 37.0°C/98.6°F
- 2) Used in anus of rectum: This is the way that can get the most steady temperature and suits for both infants and children. The sensor shall be inserted for 2~3 cm. Vaseline can be used for easier inserting.  
 Normal tem.: About 37.6°C/99.7°F
- 3) Used under armpit: Clean the thermometer with a dry cloth and put it under armpit. Press and fix it with the arm. The temperature value of this measurement is not so accurate that not recommended for accurate measurement  
 Normal temperatures : About 36.7°C/98.1°F

## D) Replace Battery

- 1) Every 12 months or when the display becomes indistinct or when "

or " " appears on LCD, the battery must be replaced at once for accurate measurement.

- 2) To replace the battery, open the cover of the end part according to the indication with a coin and take. Out the old battery.
- 3) When replace with a new battery, make sure to use the new LR1130, then re-insert the cover with the coin, Avoid damage to the waterproof ring.



## E) Cleaning and maintenance:

The thermometer is waterproof and can be cleaned before and after use with a soft cloth permeated with water or sterilization lotion. Recommended sterilization lotion : 95% medical alcohol.

**NOTES:** Other lotion, density or cleaning method may damage the thermometer (very hot water or aggressive cleaning lotion). For care institutions or hospitals, please comply with cleaning/disinfections protocol for measure devices. The thermometer has always to be in good condition (no breaks) when it is in a disinfectant liquid. The product doesn't need any calibration and is recommended to use for 3 years.

## F) Caution :


Avoid any exposure to sunlight, an U.V. source or intense heat. Avoid falling, crash or knock. Do not distort or dismantle (only take off the battery). Never put it in boiled water for sterilizing. Never put in touch with any chemical solution and keep away from straight sunlight or heat source as well as strong electromagnetic source to avoid interference. It shall be operated in an environment at the temperature of +10°C~+35°C(+50°F ~+95°F) and the humidity of 40~80% while stored and transported in an environment at the temperature of -10°C~40°C(+14°F~+104°F) and humidity of 30~90%.

**Caution! Be sure that both the battery and the thermometer are kept away from children.**

## G) Contraindications :

Do not use if the measurement areas are very damaged or if the patient is agitated in the ear.

### Remarks:

- 1) It is suitable for measuring temperature of adult and children body for a medical use.
- 2) This product is guaranteed during 1 year from purchasing date for a family use. However this guaranty does not apply for damages due to non-observance of user manual, to bad use, to shocks, to bad replacing of battery. This guaranty does not concern battery and package.
- 3) It is designed and manufactured complying with relevant requirements in EN12470-3: Performance of Compact electrical thermometers (non-predictive and predictive) with maximum device.
- 4) It has passed EMC emission test, immunity test according to EN60601-1-2 and biocompatibility test according to MDD annex I .
- 5)  According to the degree of protection against electric shock, it is classified to BF, in accordance with EN60601-1.
- 6) Please replace battery before claim for replacing a new product.
- 7) The scrap of product and battery are to be disposed according to relevant national regulations.



This product is in accordance with European standard 93/42 from June the 14th 1993 regarding medical devices.



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