FARMAQO

INFRARED THERMOMETER

Forehead · Ear · Adjusted/direct mode

User manual · Model AOJ-20F

Read this manual before use and keep it for future reference. This FARMAQO web edition adapts and translates the French V3 edition based on the AOJ-20F manufacturer manual, version A0 (04/2023). If anything differs, the original instructions supplied with the device, its markings and packaging take precedence.

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1. Before first use

This thermometer provides temperature information; it does not replace a medical diagnosis. Seek advice from a healthcare professional if symptoms are concerning or you are uncertain about a reading.

Intended use

The AOJ-20F measures body temperature at the forehead and in the ear. The manufacturer also describes an adjusted/direct temperature mode separate from the body temperature modes.

- Forehead: adults and children. Ear: from 1 year of age, with the probe cover removed. Adjusted/direct mode: 0.0–100.0 °C, with stated direct-mode accuracy of ±1.0 °C. The manufacturer does not specify its detailed uses.

Do not use ear mode for a child under 1 year of age. Do not use this thermometer on a newborn. If you are unsure about the method or the child’s condition, seek medical advice.

- Do not use for continuous monitoring. Do not immerse the device, probe or lens. Do not use it if the sensor, lens or housing is damaged; do not repair or modify it yourself. Never force the probe into the ear canal. Do not use ear mode if there is an ear infection, discharge or pain.
- Keep the device, batteries and small parts out of children’s reach. Wait about 20 minutes after physical exertion and at least 30 minutes after a major change in surroundings. Avoid fans, air conditioners and heaters; ensure the forehead is dry and clear.

2. Contents and controls

The package contains one AOJ-20F thermometer, a storage pouch and a manual. The manufacturer lists the two AAA batteries as optional; contents depend on the package sold.

- Parts: LED display; mute/sound and unit control; measurement/on-off button; M mode-selection button; coloured LED indicator; probe cover (fitted in forehead mode); ear probe (cover removed); front light in ear mode; battery compartment and release button.

The display can show adult and child forehead modes, ear mode, adjusted mode, °C/°F, temperature reading, front light, low battery and sound status.

3. How to take a reading

Forehead

- Leave the probe cover fitted. Switch on the thermometer and select the appropriate forehead mode. Aim at the middle of the forehead between the eyebrows, 0–3 cm away without touching the skin. Press the measurement button and read the result.

Ear (from 1 year)

- Remove the probe cover. Switch on the device; ear mode may activate automatically. Gently insert the probe into the ear canal without forcing it. Press the measurement button and read the result. For children aged 1 year and older, gently pull the ear upward and backward.

Adjusted/direct mode

- Choose the mode with the M button, press the measurement button and read the value. Stated range: 0.0–100.0 °C; stated accuracy: ±1.0 °C. The manufacturer does not specify detailed applications. Never put the probe into a liquid.

> Wait at least 10 seconds between readings. The forehead should be dry and free of hair; ensure the ear canal is clean.

4. Reading results, lights and alerts

Reading	Indicator	Sound	Device indication
32.0–37.5 °C	Green	1 long beep	Normal range according to device
37.6–38.0 °C	Orange	6 short beeps	Elevated temperature
38.1–42.9 °C	Red	6 short beeps	Possible fever / elevated temperature

These colours reflect the device’s thresholds, not a diagnosis. Usual temperature varies with the person, age, time of day and measurement site. Consult a healthcare professional if you have symptoms or doubts.

With the device on, use the sound control to mute or restore the beeps; the screen shows a mute icon. Button M selects a mode. Follow the screen symbols and manufacturer instructions to change between °C and °F.

- HI/LO: reading outside the body temperature range. Er1: room temperature out of range or a possible internal error. If the low-battery icon flashes and readings become unstable or the device will not start, replace the batteries.

5. Direct-mode limits and Bluetooth

The manufacturer manual specifies 0.0–100.0 °C (32.0–199.0 °F) and direct-mode accuracy of ±1.0 °C / ±2.0 °F. It does not specify particular surfaces, liquids or other applications for this mode. Do not rely on this mode alone for medical decisions.

> The supplied AOJ-20F manufacturer manual does not document Bluetooth or VitaConnect. If your version has connectivity, follow only version-specific connection instructions validated by the manufacturer.

6. Batteries and power

Use two matching 1.5 V AAA batteries (3 V total). Press the compartment release, insert both batteries following the +/− polarity marks, and close the compartment before use.

- Do not recharge non-rechargeable alkaline batteries, throw them into a fire or mix battery types. Remove them if the thermometer will not be used for more than two months. Replace both when the low-battery indicator flashes or measurements can no longer be taken.

The device switches off automatically. The manufacturer manual states 30 seconds in the measurement instructions and 60 seconds in the specifications; the delay may depend on its mode or state.

7. Cleaning and storage

- Remove the batteries before thorough cleaning. Wipe the housing with a soft clean cloth lightly moistened with water or neutral cleaner. Gently clean the probe lens with a dry cotton swab; do not use tissue paper, which could scratch it. Keep liquid out of the device.

The manufacturer lists 70% isopropyl alcohol, 75% medical alcohol and 3% sodium hypochlorite solution as possible disinfectants for external wiping. Apply a small amount to a soft cloth and wipe immediately. Wait at least 5 minutes after cleaning with medical alcohol and at least 10 minutes after disinfection before use.

> Do not use high-temperature steam or UV disinfection. Do not immerse the device.

- Store in a clean, dry, ventilated place away from direct sunlight. Avoid shocks, vibration and extreme temperatures. Check the lens, housing and battery compartment regularly. The manufacturer recommends calibration at least yearly when needed, by the manufacturer or a qualified agent.

8. Troubleshooting

- Will not switch on: replace the batteries and check polarity. Unusually low reading: clean the lens, keep within 0–3 cm and dry/clear the forehead. High or unstable reading: allow the device to acclimatise for at least 30 minutes; stop using it if the probe is damaged.
- Er1 at startup: place the device in a 10–40 °C environment, then retry; contact support if it persists. Low-battery icon: replace both AAA batteries. Different readings: wait at least 10 seconds and measure at the same site under the same conditions.

> Stop using the thermometer if it has cracks, a damaged lens, a persistent display fault or clearly inconsistent readings after checking the conditions and changing the batteries.

9. Technical specifications

Characteristic	Manufacturer value
Product/model	AOJ-20F infrared thermometer
Power	2 AAA batteries · 3 V
Display	LED
Measurement time	Approximately 1 second
Body range	32.0–42.9 °C (89.6–109.2 °F)
Direct mode	0.0–100.0 °C (32.0–199.0 °F)
Measurement-mode accuracy	±0.2 °C / ±0.4 °F
Direct-mode accuracy	±1.0 °C / ±2.0 °F
Resolution	0.1 °C / °F
Dimensions	164.4 × 40 × 43.9 mm
Weight	93 g without batteries
Applied part	Type BF
Operating conditions	10–40 °C; 15–95% RH non-condensing; 70–106 kPa
Storage/transport	−20 to +55 °C; 0–95% RH non-condensing; 50–106 kPa
Specified service life	5 years

Essential performance as specified by the manufacturer: body measurement range 32.0–42.9 °C and accuracy of ±0.2 °C / ±0.4 °F in measurement mode.

10. Electromagnetic compatibility and symbols

Electromagnetic compatibility precautions apply. Avoid using it near active HF surgical equipment or inside the RF-shielded room of an MRI system. Do not place it next to or stacked with other equipment unless correct operation can be confirmed. Keep portable RF communications equipment, including external antennas, at least 30 cm away.

Test / emission	Level / compliance
RF emissions CISPR 11	Group 1; Class B
Electrostatic discharge IEC 61000-4-2	±8 kV contact; ±15 kV air
Magnetic field 50/60 Hz	30 A/m
Radiated RF IEC 61000-4-3	10 V/m; 80 MHz–2.7 GHz; 80% AM at 2 Hz
Harmonics/flicker and IEC 61000-4-4/-5/-6/-11	Not applicable according to manufacturer
Proximity magnetic fields IEC 61000-4-39	30 kHz: 8 A/m (CW); 134.2 kHz: 65 A/m; 13.56 MHz: 7.5 A/m

Main symbols: Type BF (applied part), MD (medical device), CE (CE marking), LOT/SN (batch/serial number), UDI (unique device identifier), crossed-out bin (separate disposal) and keep dry/fragile (handling and storage).

11. Warranty, manufacturer and support

The AOJ-20F manufacturer manual states a 12-month manufacturer warranty from purchase, excluding batteries, packaging, damage due to misuse, unauthorised disassembly or modification, dropping or failure to follow instructions. Any commercial warranty offered by FARMAQO is separate and subject to the terms provided at purchase.

Manufacturer

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FARMAQO support

contact@farmaqo.fr · farmaqo.fr
When requesting help, include your order number and, if possible, a photo or short video of the issue.

Report any serious incident involving the device to the manufacturer and the competent authority of the Member State where you are established.