



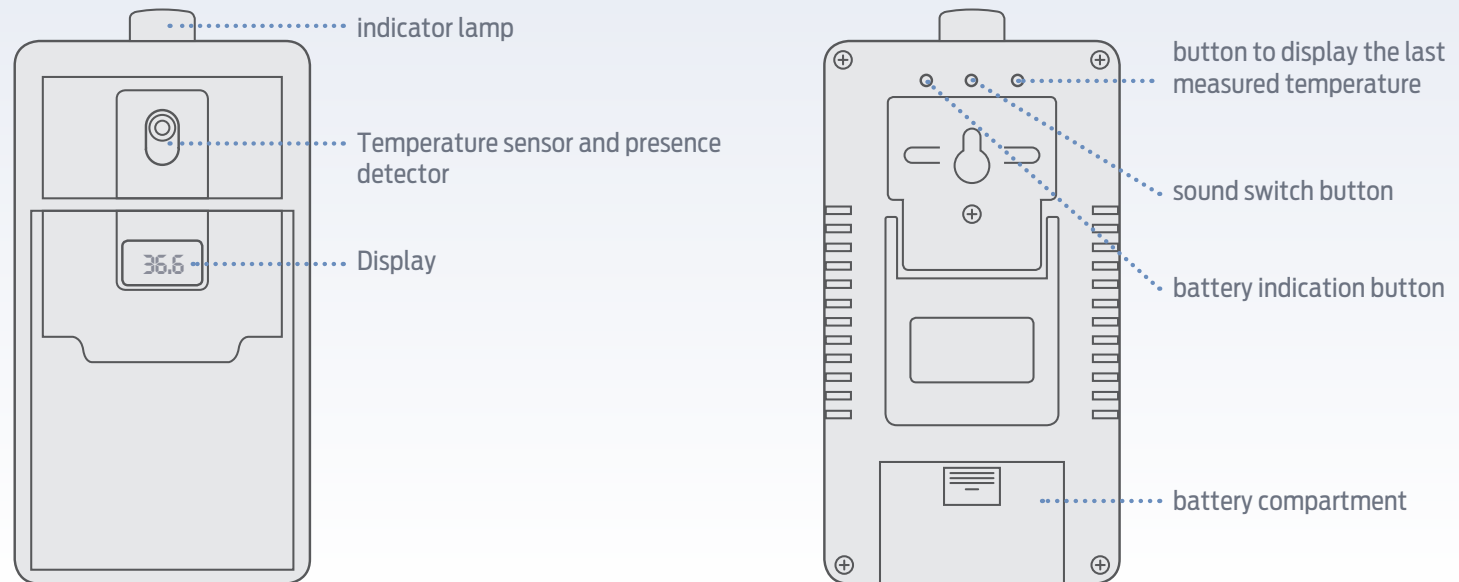
# Automated body temperature control system «UMS Thermometric Gateway»



In-house development  
Own production  
LLC «UMSsoft»  
Hand made in Russia

This is a non-contact body temperature measurement device

## Device design



- The principle of operation is based on the conversion of the flow of infrared radiation from the human body into an electrical signal proportional to temperature. The electrical signal is processed by a microprocessor and the temperature value is shown digitally on the display.
- The device is equipped with sound and light indication to alert you if the temperature threshold is exceeded.

# Specifications

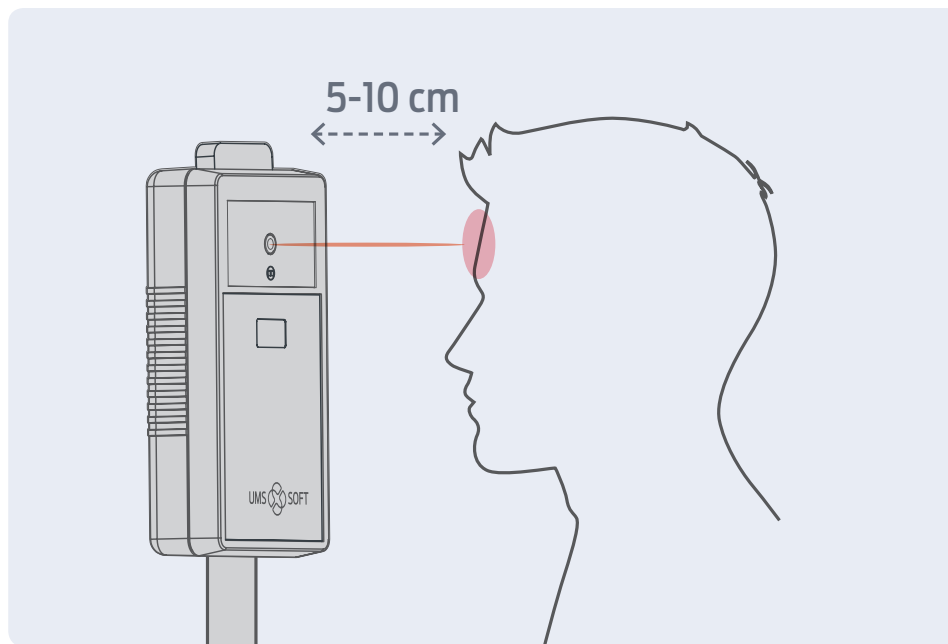
Temperature measurement range	from +32,0 °C to + 42,9 °C
Temperature measurement absolute error: <ul style="list-style-type: none"><li>• in the range from +30 to +42,9 °C</li></ul>	±0,3 °C
Operating conditions: <ul style="list-style-type: none"><li>• environmental temperature:</li><li>• relative humidity max</li></ul>	from +15 °C to +35 °C 85 %
Supply voltage: <ul style="list-style-type: none"><li>• when powered by</li><li>• when powered from AC 220 V</li><li>• when connected to external control system</li></ul>	3 V 12 V (using an adapter) 12 V
Device dimensions without mounting and fixing units	200 x 100 x 45 mm
Weight without batteries and mounting devices not more than	290 g
Average operating life	at least 5 years



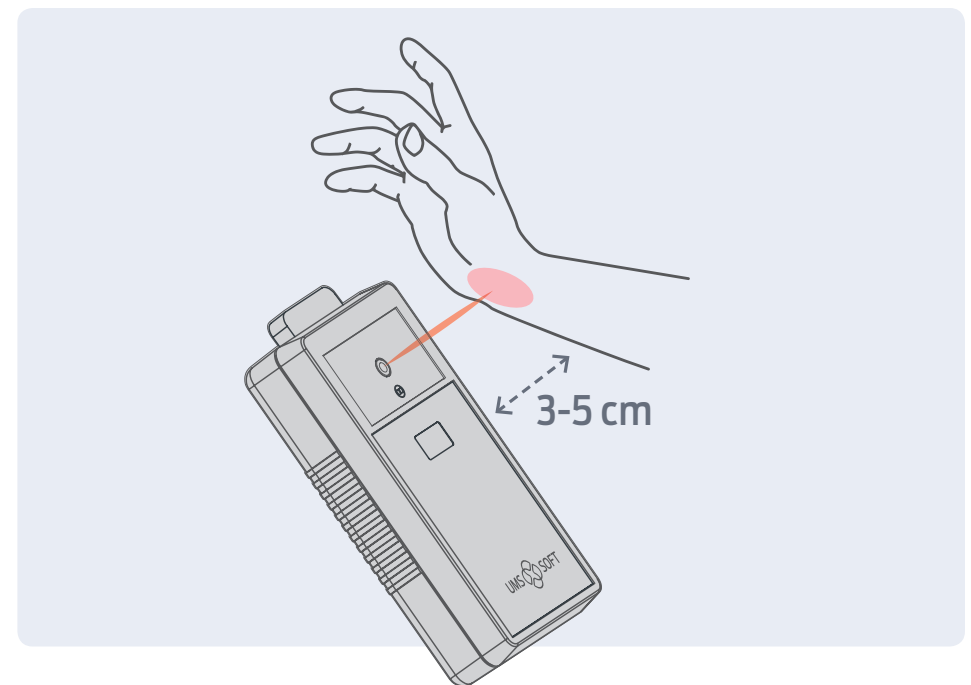
# Measurement options

The design of the device allows adjusting it to measure different areas of the body – forehead or wrist.

## Forehead



## Wrist




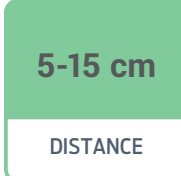
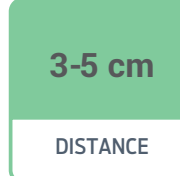
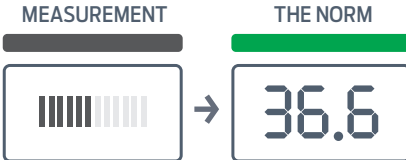





5 minutes

After entering  
from cold

In cold weather, it is recommended to measure no earlier than 5 minutes after coming in from the street.

# Measurement scheme

	Forehead	Wrist	
1	 HAT	 NO HAIR ON A FOREHEAD	 CLOTHING ON THE WRIST
	Clear the forehead from clothing and hair	Clear your wrist from clothing and other items (watches, bracelets)	
2	 5-15 cm DISTANCE	 3-5 cm DISTANCE	
	Position your forehead 5 to 10 cm away from the sensor	Position your wrist 3 to 5 cm away from the sensor	
3	 MEASUREMENT → THE NORM 36.6		
	Wait 1-3 seconds for the temperature measurement. After the measurement the display will show the result.		
	 STOP 37.0		
	If the light turns red and you hear a beep, it means that the temperature is higher than 37.0 °C.		



# Installation options

- 1 Stationary installation
- 2 Mobile installation

1 Wall mount



1 Entrance gateway  
(entrance corridor/fence)



2 Tripod



1 Security Gate

2 Tabletop installation



## Alcolock tester

Thermal gateway can be delivered as a set with Dingo B-01 breathalyzer. Possible integration to the existing ACS without significant modifications.



## Mount for disinfectant

The optional attachment allows to place any type of disinfectant or dispenser next to the thermometer.



## Integration with access control system

When integrating the device with access control systems (ACS) automatically restricts / blocks the passage of an employee or visitor with a high temperature in the building. ACS power connection is 12V. It can be quickly disconnected if necessary.

# Benefits of the device

- Temperature measurement is fast and uninterrupted
- No need to hold the device in hand, which increases the convenience of receptionists
- There are no moving parts (buttons, moving mechanisms of the unit), which increases the service life of the device
- The use of fencing structures allows the distribution of the flow of people in accordance with the logistics of the entrance group
- No special training for temperature measurement is required
- Rapid staff adaptation





# Implementation examples



Hotels

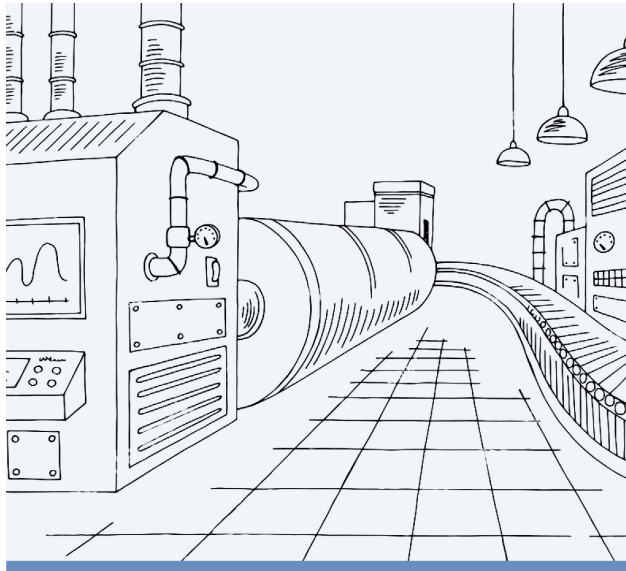


Supermarkets



Educational establishments

# Implementation examples



Plants and offices



Airports



Hospitals





# UMS Thermometric Gateway

A non-contact body temperature measurement device



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