RODENT THERMOMETER BIO-TK9882

(Model: TK9882)

BIOSEB's new TK9882 thermometer for core temperature with built-in printer is combining accuracy of a digital electronic and simplicity of reading with a large backlight LCD screen and a great number of functions and accessories. Ideal for exact and fast measurements of core temperature on rodents (rats and mice) when a proof of measurement is necessary (memory-stored or paper-printed).

A BIOSEB INNOVATION !

! NEW RESEARCH WORK ! A recent publication by Verma AK, Sharma A, Kumar S, Gupta RK, Kumar D, Gupta K, Giridhar BH, Das M, Dwivedi PD in "Mol Immunol." highlights the merits of using Bioseb's Rodent thermometer TK9882: *Purification, characterization and allergenicity assessment of 26kDa protein, a major allergen from Cicer arietinum*

💬 Presentation

BIOSEB's new thermometer TK9882 combined with the right probe is specially targeting measurements on small rodents like rats and mice, and offers a wide area of functionalities making it the ideal thermometer for laboratory applications during your studies involving animal models.

The 2 separate channels T1 and T2 allow differential measures with the room air temperature, while the large integrated LCD display shows both T1 and T2 channels as well as the difference T1-T2. With its resolution of 0.1 ºC and its internal memory able to store up to 99 manual temperatures, or 4000 automatic temperatures in the "datalogger mode", the TK9882 thermometer for rodents offers state-of-the art performance for your research.

Its solid construction and rubber keys, along with the plastic case, make the TK9882 an easy-to-use and very durable instrument fit for all applications and conditions.

Furthermore, Bioseb's TK9882 thermometer is equipped with an internal thermal printer to directly print your measurement on a ticket. The date, time and a settable ID number will be printed on user'action. Ex: name of the user (perfectly suiting for GLP rules). An USB computer connection provides a convenient way to export data into third programs such as Excel by using our optional software.

⚙️ Operating principle

This thermometer is designed for advanced users who need a high-performance instrument with GLP-like features. Just connect 1 or 2 probes to 1 or both ports, then press the ON/OFF button to start the device. Press F1 button to go to the MEAS menu and the temperature(s) of your probe(s) will be displayed. A simple push on F4 and the value is printed using the built-in thermal printer.

You can also save the value using the internal memory or the data logging function. The data in memory can then be reviewed again on the screen or exported to an Excel spreadsheet.
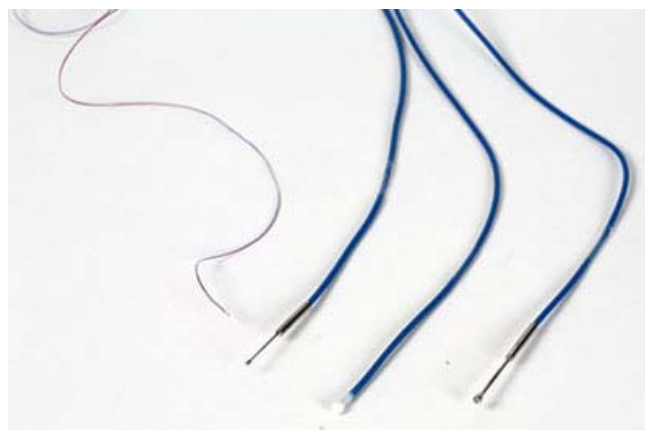
✅ Key features

• 2 channels (T1 and T2) for differential measures with room air
• Solidly constructed and delivered within a plastic case
• The digital display reads two lines T1, T2 and the difference of T1-T2
• The large digital LCD display and rubber keys make it easy to use
• Resolution: 0,1°C on both channels
• Internal memory stores up to 99 temperatures manually or 4 000 automatically (datalogger mode).

🔑 Domains of application

• Pharmacology
• Physiology/monitoring
• Fever evaluation
• Inflammation monitoring
• Control of the allergic response
• Effects of pharmacological substances on body temperature
• Post surgery follow-up
• Monitoring the effects of addiction

🎁 Supplied with

Probes, from left to right:
IT14: rectal or implantable extra-thin probe
RET-3: rectal probe for mice
RET-1: rectal probe for rabbits
RET-2: rectal probe for rats

- Black plastic box
- Battery (4 x 1,5 V AAA)
- Rectal probes not included in the price

Publications *(Click on an article to show details and read the abstract)*

Technical specifications *(Click here to see our "Information Liability Disclaimer")*

Thermocouple	Type T is the preferred K, J, R, S, E
Sampling speed	Up to 2,5 measurements/sec
Auto-off	Settable
Brightness	Settable for display and printer
Differential display	T1 and T2
Options on request	Cable and USB computer port, software to export data into computer Calibration certificate ISO 9000 (GLP) Power-supply module
Internal memory	Stores up to 99 temperatures manually or 4 000 automatically (datalogger mode)

Accessories :

IT-18	Flexible Implantable Probes - IT Series	.025" diameter, constant 0.1 seconds, 3ft lead length
IT-1E	Flexible Implantable Probes - IT Series	As IT-18 but sensor bead exposed
IT-21	Flexible Implantable Probes - IT Series	.016" diameter, Constant 0.08 seconds, 1ft lead length
IT-23	Flexible Implantable Probes - IT Series	For ultra fast measurements and for use on micro-size specimens
RET-1	Animal rectal probes	For rabbits
RET-2	Animal rectal probes	For rats
RET-2-ISO	Animal rectal probes	For rats with isolated sensor
RET-3	Animal rectal probes	For mice
IT-14		Rectal or implantable extra-thin probe for rats and mice
RET-3-ISO	Animal rectal probes	For mice and neonat rats (with isolated sensor)
BIO-RET-4	Animal rectal probes	For small animals
RET-5	Animal rectal probes	For Very Small Animals (Nenonat Mice)