

greenteg

Data that is  
accurate, reliable  
and continuous

The first non-invasive,  
accurate core body  
temperature monitoring  
solution that continuously  
gives you reliable research  
data.

calera<sup>ot</sup>  
RESEARCH

## ABOUT US

Our certified sensors are developed and manufactured in Switzerland and integrated into smart wearables across various industries worldwide. Our collaborations with engineers, scientists, and international research teams reflect our continued commitment in staying ahead with our technology and exploring new avenues of innovation

## OUR SERVICES

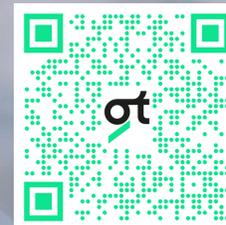
CALERA® is our cutting-edge technology that can measure core body temperature continuously. This non-invasive technology generates accurate, continuous, reliable data for your research needs.

## TALK TO OUR EXPERTS

Find out more how our unique sensing solutions can help your research needs.

## CONTACT US

greenteg AG  
Hofwisenstr. 50A |  
8153 Ruemlang, Zurich,  
Switzerland  
tel. +41 (0)44 515 09 48  
marcom@greenteg.com  
www.corebodytemp.com  
www.greenteg.com



calera<sup>ot</sup>  
RESEARCH

Your Data  
Source for  
Quality Research

# Data you can Trust Made in Switzerland

CALERA® research is the premium Core Body Temperature monitoring solution for research applications.

This Swiss-made, innovative sensor technology is built into a compact waterproof device that can be comfortably and non-invasively worn by research participants, ensuring high compliance for accurate data collection.

*CALERA® Research is validated in numerous independent studies*

The heat flux sensor measures the energy that the human body dissipates and can thus mitigate environmental influences.

CALERA® research records at one-second intervals skin temperature and heat flux. While core body temperature is monitored once per minute. Raw data is securely saved locally. Measurements can be taken continuously for up to 6.5 days

## Use Cases

- Sports Performance Evaluation
- Human Physiology
- Circadian Rhythm
- Patient Monitoring
- Thermal Comfort
- Sleep Tracking
- Disease Pattern Recognition
- Fertility Tracking
- Fever monitoring, etc.

Visit our website for more information and access to validation studies  
[www.greenteg.com](http://www.greenteg.com)

# Why monitor Core Body Temperature?

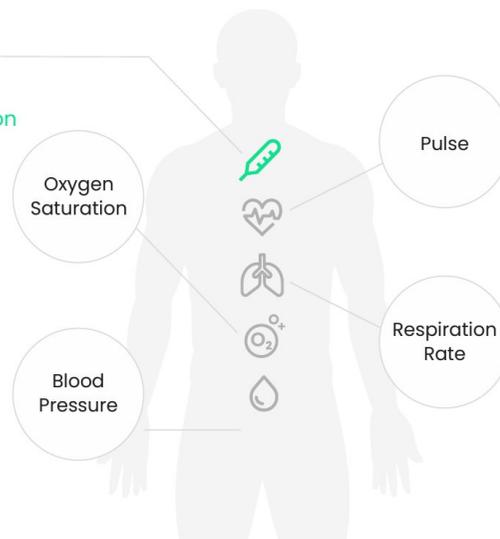
Core Body Temperature is a vital parameter for monitoring an individual's health status and refers to the body's organs' temperature. It fluctuates following physiological processes, such as physical activity, circadian and ovulation rhythm, or various illnesses and sleeping disorders.

*CALERA® Research detects all instances of elevated body temperature; continuously and accurately.*

Before CALERA®, it was only possible to accurately monitor core temperature using invasive methods such as rectal thermometers or expensive ingestible pills.

CALERA® research is independently validated, is non-invasive, which making monitoring core temperature straight forward and manageable. This also contributes to higher participant compliance.

Core Body Temperature  
Calera<sup>st</sup> Solution  
- Continuous.  
- Non-invasive.  
- Accurate



greenteg© 2023

# Heat Flux Sensor CALERA® Research



- 50 x 40 x 8 mm
- 17 grams
- Rechargeable
- Battery life: 6.5 days
- Waterproof sweat resistant
- Medical grade accuracy
- BLE connectivity
- API available
- Includes data storage

This patented heat-flux sensor eliminates outside environmental influences when monitoring, and therefore delivers accurate results independent of the user's physical activity level or external conditions.

## Our Advantage

greenteg's heat flux sensing solution technology, CALERA is integrated into an easy-to-use wearable monitor.

- Continuous, accurate data tracking
- Monitors heat strain in any environment
- Real-time Data
- Comfortable to wear
- Easily applicable on the skin
- No Cables and Plug and Play
- Re-Usable
- Independently Validated
- High participant compliance
- Easy Data access, stored on the device
- Data downloaded as csv file
- Raw Data Access in 1hz resolution