HealthLab
Tcore™ Temperature Sensor
TTC-08 – Micro Plug Connector

Technical Data

Designation
HealthLab Tcore™ Temperature Sensor
TTC-08 – Micro Plug Connector
(Continuous Temperature Sensor Tcore™ *)

Data collection

Measuring range: 25 °C … 45 °C
Accuracy: +/- 0,1 °C

Application information

Latex free
Voltage rating: 250 V
Exchange interval l: 24 h
Maximum storage time: 2 years

Climatic conditions
According to DIN EN 60204-1 (05-2010)
Ambient temperature
Operation: -40 … +80 °C
Transport / storage: -40 … +80 °C

Humidity / altitude
20 … 90 % r.F. (Without condensation)
Up to 8.000 m

Dimensions
Cable length: approx. 550 mm
Sensor element L x W x H:
75 x 50 x 8 mm
Weight: approx. 4 g

Within the scope of measurements with the psycho physiological monitoring system HealthLab, the continuous temperature sensor TTC-08 is used for the non-invasive detection of the body core temperature of a subject, e.g. with the HealthLab HFM-05 ANT+ in conjunction with the HealthLab Tcore™* ANT+ radio module TCGU-24. In order to determine the body core temperature, one component of the sensor registers the surface temperature near the surface of the subject; a second measures the heat flow to the environment. The body core temperature is continuously determined from the two measured values.

Note: The Tcore™* temperature sensor TTC-05 is equipped with a micro plug connector. The adapter ATCM-02 or ATCM-42 or the HealthLab Tcore™* ANT + transmitter module TCFU-24 is required to connect to the HealthLab Monitoring System.

Further information you will find on our homepage:

- Hardware: Master HFM-01 (HFM-01.pdf) → www.koralewski.de
- Software: Heally Control (Heally5_en.pdf) → https://secure.turboj.de/documents

Order reference:	Part №.
TTC-08 Temperature Sensor: (Tcore™ * Continuous-Temperature Sensor)	E1967
ATCM-02 Adapter (Connection to HFM-01, SAT-25)	KC0316
ATCM-42 Adapter (Connection to HFM-05)	KC0330
TCFU-24 ANT+ Radio Module	E1957

* Tcore™ is a trademark of Drägerwerk AG & Co. KGaA

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