

HealthLab Tcore™ temperature sensor TTC-05 - micro plug connector



Technical Data

Designation

HealthLab Tcore™ temperature sensor
TTC-05 - micro plug connector
(Single use 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: 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 Tcore™ disposable temperature sensor TTC-05 developed by Drägerwerk AG 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 TCFU-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. For the correct calculation of the body core temperature the sensors three correction coefficients a, b, and k have to be set in the channel parameter settings of the measuring device. For detail, see the corresponding device description.

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>

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

Order reference:	Part no.
TTC-05 Temperature sensor: (disposable sensor)	E1959
ATCM-02 Sensor Adapter (Connection to HFM-01, SAT-25)	KC0316
ATCM-42 Sensor Adapter (Connection to HFM-05)	KC0330
TCFU-24 ANT+ Radio Module	E1957