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-10
-20

HealthLab Throat Microphone MKF-02



Technical Data

Designation

HealthLab Throat Microphone MKF-02

Voltage Supply

/ Current Consumption
2,0 V DC via HL Satellite
electret microphones
plug connector:
3,5 mm jack plug, 2-pole

Climatic Conditions

acc. to DIN EN 60204-1 (10-2014)

Ambient Temperature

operation: -20 ... +55 °C
transport / storage: -25 ... +60 °C

Humidity / Altitude

20 ... 90 % RH (without condensing)
up to 8.000 m

Dimensions

W / H / D : 115 x 130 x 23 mm
(without wiring)
cable length (*coiled cord*):
approx. 600 ... 1400 mm
weight : 64 g

As part of measurements with the psycho-physiological monitoring system HealthLab are among others speech signals of a proband of relevance. Thus, for example, conclusions about the mental and physical arousal / stress of the subject can be drawn from the postponement of his vocal fundamental frequency. This is recorded e.g. by the HealthLab Satellite SAT-07 using the HealthLab Throat Microphone MKF-02. Versus a standard microphone, the MKF-02 provides the advantage, that the voice of the subject is transmitted by structure-borne sound from the larynx, and so ambient noise, which may interfere with the measurement, are significantly reduced.

The MKF-02 is equipped with a spring clip. To apply the microphone, the clip must be bent so far open, that it can be guided over the neck of the proband. Now the spring clip is to put from the back around the neck in a way, that the microphone capsules are positioned laterally - left and right - of the larynx. The neck / spring clip can easily be adapted to the neck circumference of the proband by moving the microphone capsules.

Links on further documents:

- Hardware: Master HFM-01 → <https://secure.turboj.de/documents/HFM-01.pdf>
- Software: Heally Control → https://secure.turboj.de/documents/Heally5_en.pdf

Ordering Information:

MKF-02 HealthLab
Throat Microphone

Part No

E1385