DATA SHEET

Galvanic skin response sensor GSRsens

Galvanic skin response sensor, NeoSens-compatible.

REF	Model
007-0-231	GSRsens (standard)

SET

1. GSRsens amplifier block,
2. GSR electrodes for GSRsens - 2 pcs.,
3. cables with button connection for electrodes,
4. User Manual.

INTENDED USE

Galvanic skin response sensor GSRsens designed for monitoring galvanic skin response (GSR) when used as part of a system for scientific research in biomedicine, in clinical polygraph tests and somnography.

DESCRIPTION

Galvanic skin response sensor GSRsens consists of an amplifier block and two electrodes connected to the amplifier block. The amplifier block is designed for connection to NeoSens-compatible connectors of bioelectric signal amplifiers such as NVX136 or similar.

Getting started

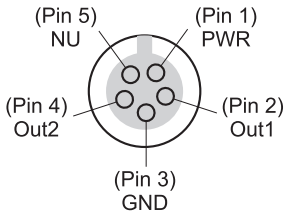
The electrodes are attached using a fixing tie to the palmar surface of the fingers of one hand on the middle phalanges of the index and middle or ring fingers to avoid contact of the electrodes.

SPECIFICATION

Parameter	Value
Registered parameter	galvanic skin response
Channels	1
Number of lead cables	2
Square of sensor conductive surface	> 4 cm^2
Material of sensor conductive surface	Ag/AgCl
Transfer characteristic form	linear dependence of output voltage on conductivity
Transmission coefficient	25 mV/µS
Operating range	0.5 to 80 µS
Measurement accuracy	10%
Frequency range	0 to 10 Hz (-3dB)
Noise	< 3.5 µV p-p
Offset voltage	< ±2.5 mV
Reference voltage	0.5V
Supply voltage	5V (±5%)

Consumption current	< 30 mA
Connector for connecting the lead cable	TouchProof 1.5 mm (DIN 42 802-BU) x 2
Cable length	1.2 m
Connector for connecting to an amplifier	NeoSens-compatible

Interface cable connector pin diagram



Connector type 5-pin Binder719 Series, code 09-9789-71-05 view of the connector from the cable

Contact No.	Name	Note
1	PWR	sensor power supply +5 V (±5%), up to 15 mA with electronic limitation (protection)
2	Out1	Positive terminal of differential input, 0-4 V
3	GND	Ground (Neutral)
4	Out2	Negative terminal of differential input, 0-4 V
5	NU	Not used