

Photoplethysmographic probe FPsens

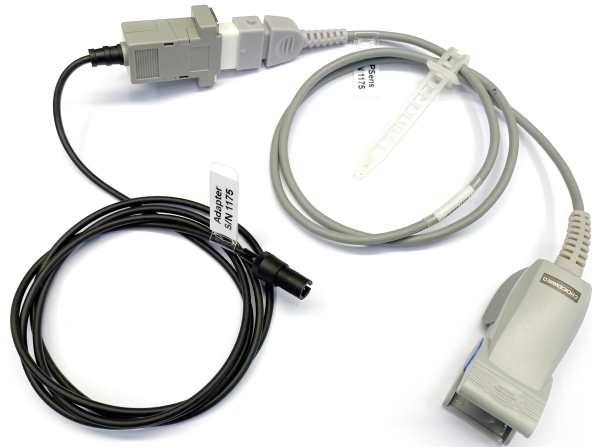
Sensor for non-invasive recording of pulse wave propagation in capillaries.

REF

007-0-228

SET

1. Photoplethysmographic probe FPsens,
2. Adapter FpSens-A1,
3. User Manual.



INTENDED USE

Photoplethysmographic probe FPsens can be used as part of a system for scientific research in biomedicine, in clinical polygraph tests and somnography.

FPsens is designed for connection to NeoSens-compatible connectors of bioelectric signal amplifiers such as NVX136 or similar.

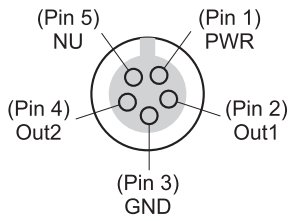
DESCRIPTION

Photoplethysmographic probe FPsens is a NeoSens-compatible finger sensor with an adapter for connecting to biopotential recording amplifiers – electrocardiographs, ambulatory ECG monitors, electroencephalographs, polygraphs.

SPECIFICATION

Parameter	Value
Registered parameter	photoplethysmogram
Number of sensors	2
Method of placing the sensor on the body	on finger
Sensor type	optic
Wavelength	infrared range (940 ±10 nm) red (660 ±3 nm)
Recorded signal amplitude	up to 90% of supply voltage
Frequency range	from 0.5 to 70 Hz
Supply voltage	5V (±5%)
Consumption current	< 15 mA
Cable length	1.2 m
Adapter length	1 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 ($\pm 5\%$), 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