



ANATOLOG

Technical datasheet

& ANATOLOG USB

AnatoLog measures different pressure spots between the skin and an orthopaedic medical device through wireless communication with its FSR sensors.

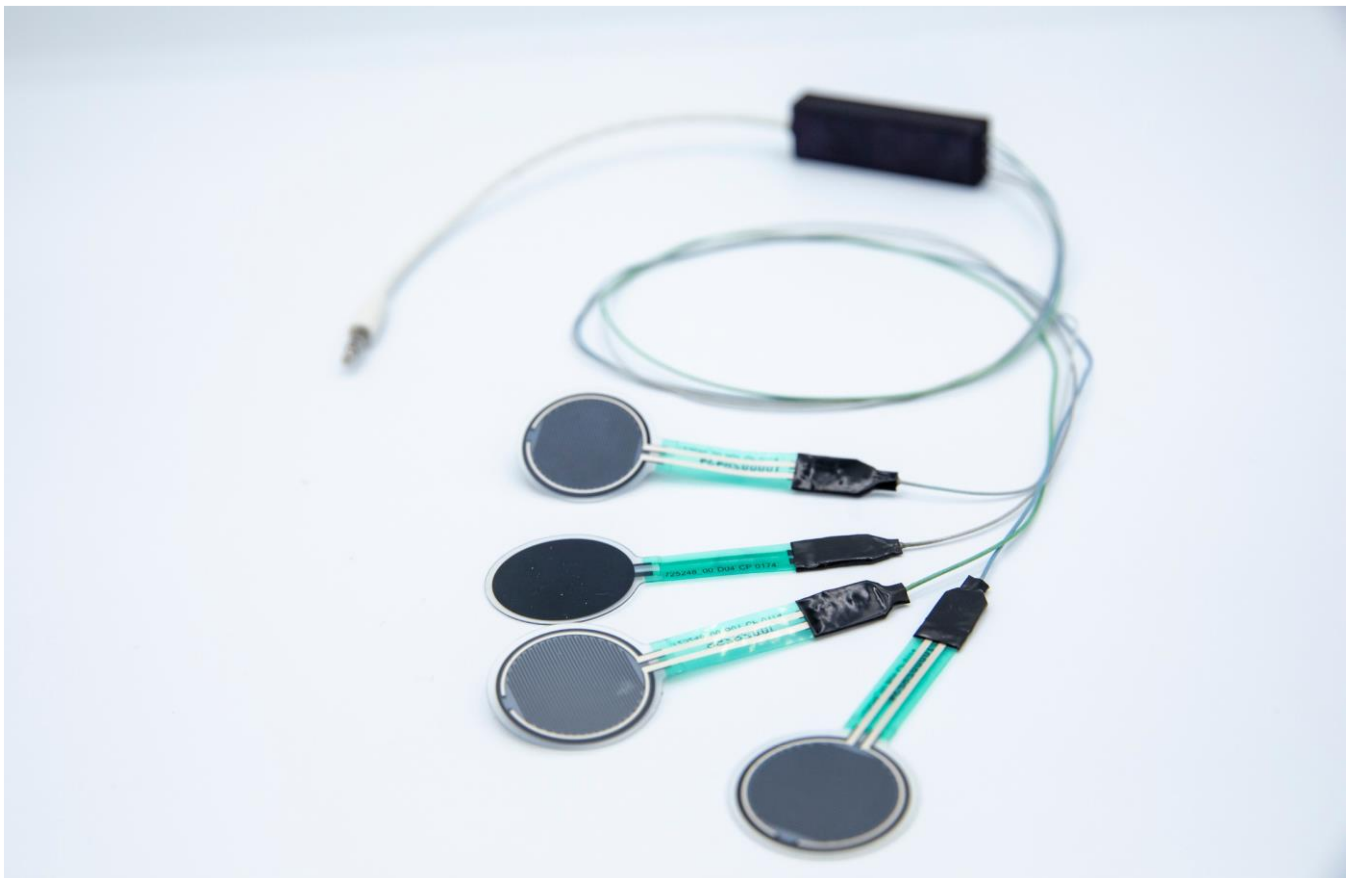
- Application for orthopaedics and podiatry
- 1 to 16 calibrated FSR sensors
- 1 compact stand-alone box with its USB dongle



FSR MODULE

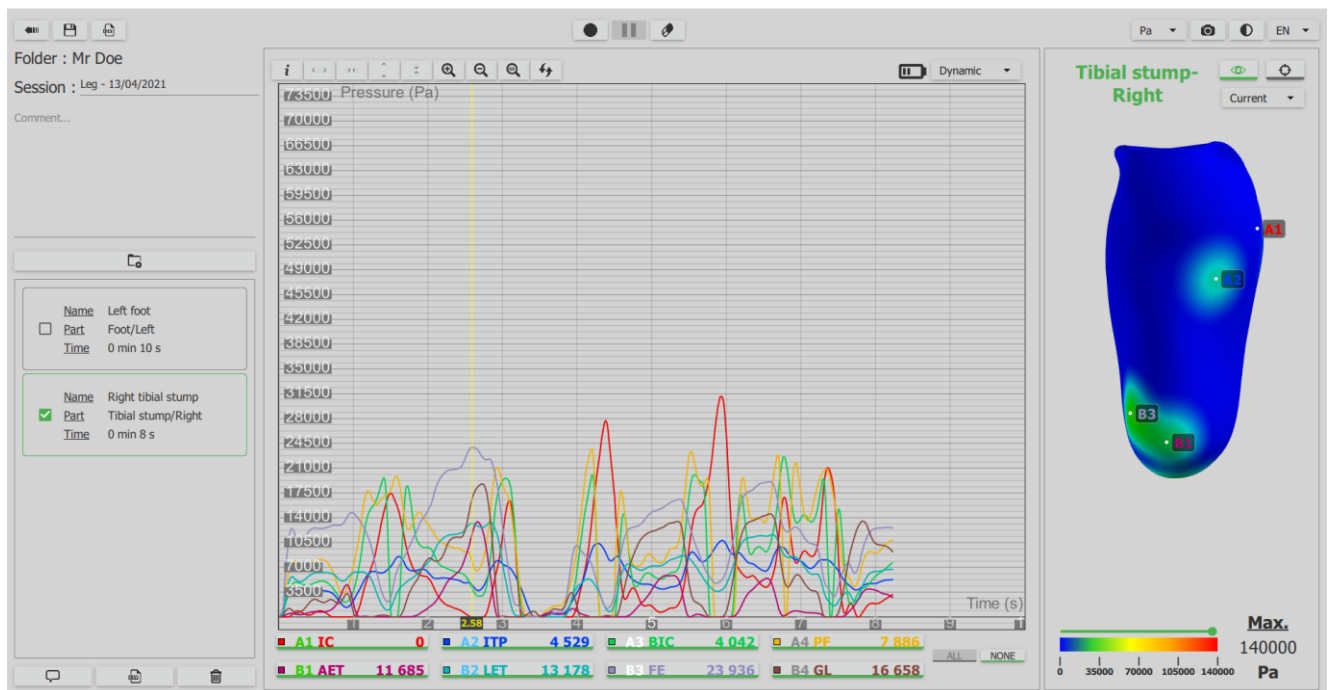
The AnatoLog system's sensors are Force-Sensing Resistor (FSR) type and can be placed under the foot (insoles), torso (corset), head (plagiocephaly helmet) and also on the amputated limb (prosthesis).

The measured values enable the real time optimization and validation of the design of medical devices.



ANATOLOG APPLICATION

AnatoLog Application is the software for the visualization (curves and gradient on 3D representation) of measured values by sensors.



TECHNICAL FEATURES PAGE 4

ANATOLOG & ANATOLOG USB

**Medical device with CE marking
(Class I with a measuring function)**

Dimensions (L x w x h)

Anatolog : 80 x 40 x 27 mm

Anatolog USB : 71 x 22 x 11 mm

Communication type

Wireless communication : 2.4 Ghz

Weight

Anatolog : 75 g

Anatolog USB : 12 g

Acquisition frequency

20 à 100 Hz

Material

Polyamide 12

Hypoallergenic

Power

Batterie XPOWER 603048

Lithium-ion polymère rechargeable

3.7V, 800 mAh, 2.96 Wh

Lifetime

5 years

Type of charging cable

Jack 2.35 – USB C, 5V

USB charge on medical computer with

2 MOPP protection

Guarantee

2 year

Usage time

48h

Conditions of use and transportation

Temperature : +10°C +25°C

Atmospheric pressure : 700 – 1060 hPa

Humidity : 30 à 75 %

Sensitive to physical and electric shocks.

Must not be exposed to water (IP10).

TECHNICAL FEATURES

FSR MODULE

Sensor type

Force-Sensing Resistor : piezoresistive

Nombre de capteurs

Per FSR module : 4

Usable with AnatoLog : 1 to 16

Diameter of sensor active part

29 mm (1")

Sensor thickness

0.4 mm

Measuring range

FSR Module "High" : 20 à 200 kPa

FSR Module "Low" : 2 à 12 kPa

Accuracy : $\pm 10\%$

Dimensions (L x l x h)

FSR Module case : 57 x 18 x 11 mm

Weight

Module FSR : 11 g

Cable length

Cable of sensor : 500 mm

Jack cable : 185 mm

Material

Case : Polyamide 12 Hypoallergenic

FSR Sensor : Non hypoallergenic

Medical barrier envelopes provided

Jack cable type

Jack audio 3.5

Conditions of use and transportation

Temperature : +10°C +25°C

Atmospheric pressure : 700 – 1060 hPa

Humidity : 30 à 75 %

Sensitive to physical and electric shocks.

Must not be exposed to water (IP10).

ANATOSCOPE

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