



## Labdisc Physio Data Logger Specifications



Parameter	Labdisc Physio
Supported Platforms	Standalone, PC, MAC, iPad
Built-in Sensors	11 sensors: Accelerometer, Air Pressure, Amb. Temperature, Current, Ext. Temperature, Light, Microphone, Motion, 2 x Universal Input, Voltage
Max. Sampling Speed	24,000/s
Sampling Resolution	12-bit
Internal Data Storage	100,000 samples
Internal Rechargeable Battery	LiPO 7.2V
Battery Life	> 150 hours
Display	Graphical LCD
Keypad	Yes
Communication	USB 2.0
Wireless Communication	Bluetooth V2.0
Remote Data Collection	Yes
Automatic Sensor Testing & Calibration	Yes
Size	$\phi=132$ , H=45 mm
Weight	200 gr.
Temperature Range	-10 to 50 °C
Standard Compliance	CE, FCC



## Labdisc Physio Built-in Sensor Specifications

Sensor Type	Max. Range	Accuracy
Accelerometer (3 Axis)	-8 to +8g	±3 %
Air Pressure	0 to 300 kPa	±2.5 kPa
Current	-1 to 1 A	±2 %
Distance	0.4 to 10 m	±1 %
Light	0 to 55,000 lx	±15 %
Microphone	0 to 5 V	N/A
Ext. Temperature	-25 to 110 °C	±2 %
Int. Temperature	-10 to 50 °C	±0.5 °C
Universal Input	0 – 5 V	±2 %
Voltage	- 30 to 30 V	±2 %
Low Voltage	- 500 to 500 mV	±2 %

## Analysis Software Specifications

Parameter	Description
Data Retrieval	Online up to 100s/s or download of Labdisc stored data
Data Display	Line Graph, Table, Meters, Google Map
Communication	USB, Bluetooth
Data Logging Configuration	Sensor selection, sampling rate, number of samples
Internal Sensor Configuration	Automatic sensor testing, and automatic sensor calibration of sensors gain and offset
Data Manipulation	Placing and moving up to 2 markers on the graphs, zoom in/out, graph cropping, graph coping
Data Export	Automatic export to WORD and EXCEL. Automatic data export to an Internet URL address
OS	PC, MAC, iOS