

Labdisc Gensci Data Logger Specifications



Parameter	Labdisc Gensci
Supported Platforms	Standalone, PC, MAC, iPad
Built-in Accessible Sensors	13 sensors: Air Pressure, Ambient Temperature, Current, Distance, External Temperature, GPS, Light, Microphone, pH, Relative Humidity, Sound Level, Universal Input and Voltage
Max. Sampling Speed	24,000/s
Sampling Resolution	12-bit
Internal Data Storage	100,000 samples
Internal Rechargeable Battery	LiPO 7.2 V
Battery life	> 150 hours
Display	Graphical LCD 64 x 128 pixels
Keypad	Yes
Communication	USB V2.0
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 Gensci Built-in Sensor Specifications

Sensor Type	Max. Range	Accuracy
Air Pressure	0 to 300 kPa	±2.5 kPa
Ambient Temperature	-10 to 50 °C	±0.5°C
Current	-1 to 1 A	±2 %
Distance	0.4 to 10 m	±2 %
GPS	N/A	±3 m
Light	Multi-range 55,000 lx	±15 %
Microphone	0 to 5 V	±2 %
pH	0 to 14 pH	±2 %
Relative Humidity	0 -100 %RH	±6 % (10%-90%RH)
Sound level	58 to 93 dBa	±4 dB
Temperature	-25 to 110 °C	±2 °C
Universal input	0 to 5 V	±2 %
Voltage	-30 to 30 V	±2 %

Analysis Software Specifications

Parameter	Description
Data Retrieval	Online up to 100s/s, or download Labdisc stored data
Data Display	Line Graph, Table, Meters, Google map
Communication	USB, Bluetooth
Data Logging Configuration	Sensor selection, sampling rate, sampling points
Data Manipulation	Placing and moving up to 2 markers on the graphs zoom in/out, graph cropping, graph coping, functions such as: derivative and regressions
Data Export	Automatic export to EXCEL
OS	PC, MAC, iOS