

Labdisc Enviro Data Logger Specifications



Parameter	Labdisc Enviro
Supported Platforms	Standalone, PC, MAC, iPad
Built-in Accessible Sensors	11 sensors: Barometer, Colorimeter, External Temperature, GPS, IR Temperature, pH, Relative Humidity, Sound Level, Temperature, Turbidity, UV
Max. Sampling Speed	10/s
Sampling Resolution	12-bit
Internal Data Storage	100,000 samples
Internal Rechargeable Battery	LiPO 7.2V
Battery Life ¹	> 150 Hours
Display	Graphical LCD 64 x 128 pixels
Keypad	Yes
Communication	USB 2.0
Wireless Communication	Bluetooth V2.0
Remote Data Collection	Yes
Automatic Sensor Testing & Calibration	Yes
Size	φ=132, H=45 mm
Weight	200 gr
Temperature Range	-10 to 50 °C
Standard Compliance	CE, FCC

¹ For sampling rate of 1 per minute



Labdisc Enviro Built-in Sensor Specifications

Sensor Type	Max. Range	Accuracy
Barometric Pressure	300 to 1100 mB	±2.5 mB
Colorimeter	10 to 90% transmittance (3 colors)	±5 %
GPS	N/A	±3m
IR Temperature (Wide)	-70 to 380 °C	±0.5 °C @ 0 to 60°C ±1 °C @ 60 to 120°C ±1 °C @ -40 to 0°C ±2 °C @ 120 to 380°C ±2°C @ -70 to 40°C
pH	0 to 14 pH	±1 %
Relative Humidity	0 to 100 %RH	±4%, 10% to 90% RH
Sound Level	58 to 93 dB	±4 dB
Temperature External	-25 to 110 °C	±2 %
Temperature Internal	-10 to 50 °C	±0.5 %
Turbidity	0 to 1000 NTU	±10 %
UV	0 to 400 mW/m2	±5 %

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