

Labdisc

portable STEM lab



Wireless, compact data logger for every science, with up to 15 built-in sensors.

Clear the clutter with a single device.

Inquiry-based learning was never so easy!

- All-in-one, complete lab in the palm of your hand
- Next generation wireless technology
- Autonomic for indoor and outdoor science
- Ever ready – zero setup time, with automatic sensor testing & calibration
- Over 150 hours of battery life
- Interactive multi-disciplinary experiment books for K-12
- Seamlessly integrates with latest technologies in the digital classroom



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To learn more, contact PowerUpEDU at 888.517.3824 or info@PowerUpEDU.com

Labdisc

Specifications



	Labdisc enviro	Labdisc gensci	Labdisc physio	Labdisc biochem
Science parameter	ENVIRONMENT	GENERAL SCIENCE	PHYSICS	BIOLOGY & CHEMISTRY
Supported platforms	Standalone, PC, Mac, iPad, Android, Linux	Standalone, PC, Mac, iPad, Android, Linux	Standalone, PC, Mac, iPad, Android, Linux	Standalone, PC, Mac, iPad, Android, Linux
Built-in sensors	Barometer, Sound Level, Colorimeter, Dissolved Oxygen (electrode sold separately), GPS, IR Temperature, pH, Relative Humidity, Temperature, Turbidity, Universal Input	Air Pressure, Current, GPS, Light, Microphone, Motion, pH, Relative Humidity, Temperature, Universal Input, Voltage	Accelerometer, Air Pressure, Amb. Temperature, Current, Ext. Temperature, Light, Low Voltage, Microphone, Motion, Universal Input, Voltage	Air Pressure, Amb. Temperature, Barometric Pressure, Colorimeter, Conductivity, Dissolved Oxygen (electrode sold separately), GPS, Heart Rate, Light, pH, Relative Humidity, Thermocouple, Turbidity, Universal Input
GPS data logging	Yes	Yes	No	Yes
Remote data logging	Yes	Yes	Yes	Yes
Max. sampling speed	10/s	24,000/s	24,000/s	100/s
Sampling resolution	12-bit	12-bit	12-bit	12-bit
Int. measurement storage	128,000 samples	128,000 samples	128,000 samples	128,000 samples
Int. rechargeable battery	LiPO 7.2 V	LiPO 7.2 V	LiPO 7.2 V	LiPO 7.2 V
Battery life	> 150 hours	> 150 hours	> 150 hours	> 150 hours
Display	Graphical LCD 64 x 128 pixels	Graphical LCD 64 x 128 pixels	Graphical LCD 64 x 128 pixels	Graphical LCD 64 x 128 pixels
Keypad	Yes	Yes	Yes	Yes
USB communication	USB 2.0	USB 2.0	USB 2.0	USB 2.0
Wireless communication	Bluetooth V2.0	Bluetooth V2.0	Bluetooth V2.0	Bluetooth V2.0
Automatic sensor testing	Yes	Yes	Yes	Yes
Auto sensor calibration	Yes	Yes	Yes	Yes
Size (round disc)	ø = 132 mm, H = 45 mm (ø = 5.2 in., H = 1.77 in.)	ø = 132 mm, H = 45 mm (ø = 5.2 in., H = 1.77 in.)	ø = 132 mm, H = 45 mm (ø = 5.2 in., H = 1.77 in.)	ø = 132 mm, H = 45 mm (ø = 5.2 in., H = 1.77 in.)
Weight	300 gr.	300 gr.	300 gr.	300 gr.
Temperature range	-10 to 50 °C (14 to 122 °)F	-10 to 50 °C (14 to 122 °)F	-10 to 50 °C (14 to 122 °)F	-10 to 50 °C (14 to 122 °)F
Standard compliance	CE, FCC	CE, FCC	CE, FCC	CE, FCC
External power supply	100-240 V AC/12 V DC 1A	100-240 V AC/12 V DC 1A	100-240 V AC/12 V DC 1A	100-240 V AC/12 V DC 1A
Software	GlobiLab	GlobiLab	GlobiLab	GlobiLab
Accessories	Table stand, carry bag (optional)	Table stand, lab stand adapter, carry bag (optional)	Table stand, lab stand adapter, carry bag (optional)	Table stand, carry bag (optional)

GlobiLab MultiPlatform Software

for iOS, Android, and NOW Chromebooks

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