

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!



**Intel®
Education
Alliance**

- 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

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