

Labdisc

Competitive Analysis - Features and Benefits

January 2015

Item	LabQuest2	Spark	Vision Wi-Fi	Einstein LabMate	Einstein Tablet	Labdisc Enviro	Labdisc GenSci	Labdisc Physio	Labdisc BioChem	MINI	Labdisc Benefits
											
Company	VERNIER (USA)	PASCO (USA)	DATA HARVEST (UK)	FOURIER (ISRAEL)	FOURIER (ISRAEL)	GLOBISENS (ISRAEL)	GLOBISENS (ISRAEL)	GLOBISENS (ISRAEL)	GLOBISENS (ISRAEL)	GLOBISENS (ISRAEL)	
Type	Data logger	Data logger	Data logger	Data logger	Tablet data logger with 8 built-in sensors	Complete science lab: Data logger with built-in sensors	Complete science lab: Data logger with built-in sensors	Complete science lab: Data logger with built-in sensors	Complete science lab: Data logger with built-in sensors	Complete science lab: Data logger with built-in sensors	The only complete solution consolidating a full lab into a single device
Portability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Stand-alone with keypad, display, memory and rechargeable battery
Supported platforms	Standalone, PC, MAC	Standalone, PC, MAC, iPad	Standalone, PC, MAC	Standalone, PC, MAC, iOS, Android, Linux	Standalone, PC, MAC	Standalone, PC, MAC, iPad, Android, Linux	Standalone, PC, MAC, iPad, Android, Linux	Standalone, PC, MAC, iPad, Android, Linux	Standalone, PC, MAC, iPad, Android, Linux	Standalone, PC, iPad, Android, Linux	iPad support is a major demand in USA schools today
Data Logger											
Sampling resolution	12-bit	12-bit	12-bit	12-bit	12-bit	12-bit	12-bit	12-bit	12-bit	12-bit	
Built-in sensors	5	2	No	6	8	13	13	11	15	9	Packing in the greatest number of sensors (probes)
Maximum sampling rate	100,000/s	1000/s	50,000/s	100,000/s	100,000/s	25000/s	25000/s	25000/s	100/s	25000/s	
Remote data collection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Automatic sensor testing & calibration	Yes	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Built-in GPS	Yes	No	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Ability to plot sensor data on Google Maps
Software	Logger PRO	x	EasySense	MiLab	MiLab	GlobiLab	GlobiLab	GlobiLab	GlobiLab	GlobiLab	
Communication											
Wireless communication	Yes - WiFi, Bluetooth	No	Yes	Yes - Bluetooth v2.0	Yes - Bluetooth v2.1	Yes - Bluetooth v2.0	Yes - Bluetooth v2.0	Yes - Bluetooth v2.0	Yes - Bluetooth v2.0	Yes - Bluetooth v2.1	The only solution offering wireless communication for <u>all</u> sensors
Wired communication	USB	USB	USB	USB	USB	USB 2.0	USB 2.0	USB 2.0	USB 2.0	No	
Battery type	Rechargeable	LIPO rechargeable	LiION Rechargeable	LIPO rechargeable	LIPO rechargeable	LIPO rechargeable	LIPO rechargeable	LIPO rechargeable	LIPO rechargeable	LIPO rechargeable	
Battery life	~ 6 hours (school day)	4-8 hours under normal classroom usage	A full classroom day	24 hours	8 hours	> 150 hours	> 150 hours	> 150 hours	> 150 hours	> 150 hours	Enabling longer lasting scientific measurements. Saving the need for the daily charging of a large number of devices
Dimensions											
Size	8.8 x 15.4 x 2.5 cm	17 x 14 x 4.5 cm	16 x 11.5 x 5.3 cm	9 x 9 x 2 cm	18.5 x 13.8 x 1.7 cm	13.2 x 13.2 x 4.5 cm	13.2 x 13.2 x 4.5 cm	13.2 x 13.2 x 4.5 cm	13.2 x 13.2 x 4.5 cm	8 x 8 x 2.5 cm	Compact, easy to carry by students and resellers
Weight	350 g	595 g	410 g	120 g	470 g	200 g	200 g	200 g	200 g	150 g	Light weight, easy to carry by students and resellers