
LG-BodyM_V5-000**Bodymotion ESC**

**Key Features:**

- Internal battery
- USB communication (parameterization and download) and charging of the battery
- Vibration-engine to signalize if the condition gets out of limits, start of recording,...
- Power management to recognize inactivity to save power, automatic standby while not moving
- Datalogger with 2GB storage (4GB/8GB on request)
- Sampling up to 1000Hz/channel
- 4 analog input channels
- 6 axis sensor
- ACC: 2g/4g/8g/16g
- Gyro: 250°/s / 500°/s / 1000°/s / 2000°/s
- Real time clock
- 9 GPS channels
- All settings individually selectable (each channel)
- Compact (61.5mmx12.5mmx41mm) and lightweight (22g) housing
- Li-Po battery included
- Average run time 10h (internal battery), depending on usage
- External GPS mouse, 10Hz/12.5Hz/25Hz/50Hz
- Analyzing the data with the 2D analysis software

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Technical specifications

Logging (predefined)		Internal channels	
Memory	GB	2/4/8	3 axis acceleration
Storage rate	Hz	max. 1000/ch	g
			2/4/8/16
			3 axis gyro
			°/s
			250/500/1000/200
			0
			Sensor TempMsg resolution
			°C
			0.1
CAN lines (factory default)		Electrical characteristics	
			Communication only
Analog input channels		Power supply (VBat)	
Single ended inputs (AIN1 to AIN4)		V	3-5
With pullup@2.85V		V	5
Resolution	bit		
Input voltage range	V	0-2.85	
Input filter			
Cut-off frequency (-3dB)	Hz	25	
Damping (per decade)	dB	-6	
Environmental characteristics		Current consumption	
Operating temp. (due battery)	°C		@4.2V w/o GPS
Humidity	%	0-60	mA
			@4.2V with GPS
			mA
			Standby
			mA
			Sensor supplying max. values
			Max curr. output (+2.85V) analog
			mA
			30
Vibration resistance		Mechanical characteristics	
Shock	G		Housing Material
During time period of	ms		Plastics
Vibration tested @	G		Dimensions
Measured with	Hz	40	mm
		10	g
		12	
		1000	Weight
			g
			32
			Ordering information
			LG-BodyM_V5-000