

MASTERS OF MACHINE HEALTH

PHANTOM®













Up to 1 Km LoS communication



20x more battery capacity



102,400 Lines of Resolution

The next generation vibration sensor from Erbessd Instruments, designed to push the boundaries of precision monitoring.



(EPH-MAX)

MEASUREMENT		
Product code	EPH-MAX	
Built-in sensor	Low noise MEMS sensor	
Sensing resolution (X, Y, Z)	460 μg	
Frequency range	0.5 Hz to 8 kHz	
Dynamic range (configurable)	±15 /±30 /±60 g	
Recording time (s) 3 axes	8	16
Recording time (s) 1 axes	16	32
Sample rate (Hz)	32,000	16,000
Max frequency	8Khz	8Khz
Resolution lines	Triaxial - 102,400 Single Axis - 204,800	
Spectral noise (x,y)	44 μg√Hz	
Spectral noise (z)	55 μg/√Hz	

CONNECTIVITY AND SOFTWARE		
Wireless protocol	Bluetooth BLE 5.0	
Operating frequency	2.4 GHz	
Transmission power	Up to ± 29 dBm	
Signal strenght range	-90 dBm to -30 dBm	
Devices compatibility	iOS and Android devices (WiSER®Vibe & PHANTOM™ Manager) and PHANTOM™ Gateway	
Software compatibility	DigivibeMX 11 M30 & PHANTOM™ Version / PHANTOM™ Manager and WiSER®VIBE	
Operating distance	1 Km Line sight*	

^{*}Ideal enviroment. No competing signals or obstructions.



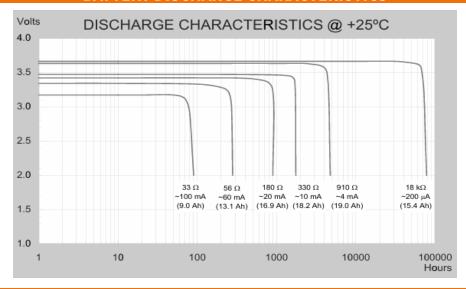
DIMENSIONS AND FIXTURE		
Dimensions (h x w)	95.62 x 53 mm	
Protection grade	IP67	
Weight	TBA	
Fixture	Fastener 1/4-28 UNF	
Housing material	Anodized aluminum	

ENVIRONMENTAL CONDITIONS

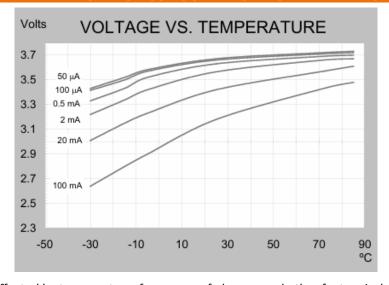
Operating temperature -55 °C to 85 °C (-67 °F to 284°F)

POWER SUPPLY		
Battery type	Lithium battery type D	
Battery life	TBA	
	Standby mode if Gateway not detected	
	TBA	

BATTERY DISCHARGE CHARACTERISTICS



BATTERY VOLTAGE CONSUMPTION VS TEMPERATURE



^{*}Battery life is directly affected by temperature, frequency of alarms, and other factors independent of user settings.



DIMENSIONS (mm)

