PHANTON Vibration Sensor

PHANTOM EXPERT GEN 3 | VIBRATION SENSOR

PHANTOM Expert Gen 3, the best wireless triaxial vibration and temperature sensor worldwide.



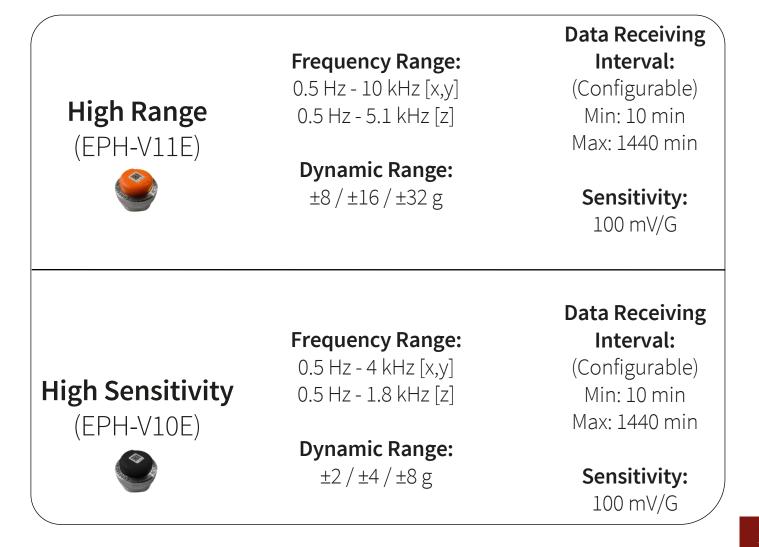


The triaxial vibration sensor is able to send **3 simultaneous** FFT and Time waveform recordings at once.

The signal from the Phantom sensors is encrypted which ensures the reliability of the information and the security of your data.

TECHNICAL SPECIFICATIONS

You can find **Phantom Expert Gen 3** in two versions, depending on machines with high and low RPM's.



PHANTOM EXPERT GEN 3 | VIBRATION SENSOR

HIGH RANGE TECHNICAL SPECIFICATIONS



Μ	EASUREME	NT						
Product code	EPH-V11E							
Built-in sensor	MEMS Sensor							
Sensing resolution (X, Y, Z)	240 µg							
Frequency range (@ 25,600)	0.5 Hz to 10 kHz (X,Y), 0.5 Hz to 5.1 kHz (Z)							
Dynamic range (configurable)	±8 /±16 /±32 g							
Recording time (s) 3 axes	1 2 4 8 16							
Recording time (s) 1 axes	3	6	12	24	48			
Sample rate (Hz)	25,600	12,800	6,400	3,200	1,600			
Max frequency (Hz) [x,y]	10,000	5,000	2,500	1,250	625			
Max frequency (Hz) [z]	5,100	5,000	2,500	1,250	625			
Resolution lines	6,400							
Espectral noise (10 Hz)	630 μg√Hz							
CONNECT	IVITY AND S	OFTWARE						
Wireless protocol	Bluetooth BLE 5.0							
Operating frequency	2.4 GHz							
Transmission power	±8 dBm							
Signal strenght range	-90 dBm to -30 dBm							
Power output range	-4 dBm to +8 dBm (Configurable)							
Devices compatibility	iOS and Android devices (WISER VIBE PRO & Phantom™ Manager) and Phantom™ Gateway							
Software compatibility	DigivibeMX 11 M30 & Phantom [™] Version / Phantom [™] Manager and WiSER VIBE PRO							
Operating distance	100 m Line sight*							
DIMENSION	NS AND FIXT	URE						
Dimensions (h x w)			47 x 33 mn	1				
Protection grade		IP69						
Weight		185 grams						
Fixture		Fastener 1/4-28 UNF						
Housing material	ABS, stainless steel							
ENVIRONMENTAL CONDITIONS								
Operating temperature	-40 to 80 °C (40 to 176 °F)							

*Ideal enviroment. No competing signals or obstructions.

PHANTOM EXPERT GEN 3 | VIBRATION SENSOR

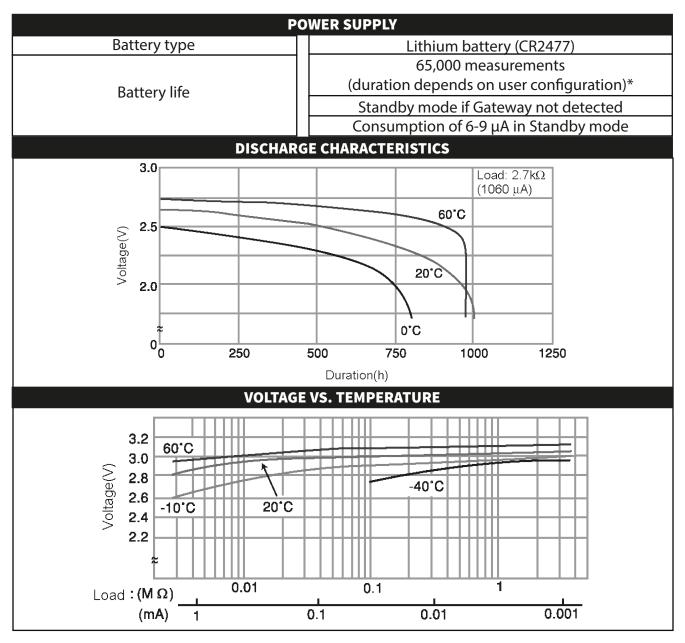
HIGH SENSITIVITY TECHNICAL SPECIFICATIONS



				A CONTRACT OF					
	MEASUREME	NT							
Product code		EPH-V10E							
Built-in sensor		MEMS Sensor							
Sensing resolution (X, Y, Z)	1	60 µg							
Frequency range (@ 25,600)	0.5 H	0.5 Hz to 4 kHz (X,Y), 0.5 Hz to 1.8 kHz (Z)							
Dynamic range (configurable)		±2 /±4 /±8 g							
Recording time (s) 3 axes	1	2	4	8	16				
Recording time (s) 1 axes	3	6	12	24	48				
Sample rate (Hz)	25,600	12,800	6,400	3,200	1,600				
Max frequency (Hz) [x,y]	4,000	4,000	2,500	1,250	625				
Max frequency (Hz) [z]	1,800	1,800	1,800	1,250	625				
Resolution lines		6,400							
Espectral noise (10 Hz)		130 μg√Hz							
CONNEC	TIVITY AND S	OFTWARE							
Wireless protocol		Bluetooth BLE 5.0							
Operating frequency		2.4 GHz							
Transmission power	7	±8 dBm							
Signal strenght range	7	-90 dBm to -30 dBm							
Power output range		-4 dBm to +8 dBm (Configurable)							
Devices compatibility		iOS and Android devices (WISER VIBE PRO &							
		Phantom™ Manager) and Phantom™ Gateway							
Software compatibility		DigivibeMX 11 M30 & Phantom [™] Version /							
. ,	Phan	Phantom [™] Manager and WiSER VIBE PRO							
Operating distance		100 m Line sight*							
	DNS AND FIXT								
Dimensions (h x w)		47 x 33 mm							
Protection grade		IP69							
Weight		185 grams							
Fixture		Fastener 1/4-28 UNF							
Housing material		ABS, stainless steel							
ENVIRONMI	ENTAL CONDI	TIONS							
Operating temperature		-40 to 80 °C (40 to 176 °F)							

*Ideal enviroment. No competing signals or obstructions.

BATTERY INFORMATION



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

ERBESSD INSTRUMENTS® PHANTOM EXPERT GEN 3 VIBRATION SENSOR DIMENSIONS 44.98 mm 33.00 mm 1/4-28 UNF - 2B 🛛 10.50 mm 22.50 mm ⊠ 34.00 mm ⊠ 47.00 mm CEE C

FRONT VIEW

SIDE VIEW

QUICK GUIDE



Easily orient your dominant axis with tactile iconography and a user adjustable base.

Use the symbol on the top of the Phantom to locate the axis in the right position.



Once you've placed the sensor on your machine, set it up on DigivibeMX and define each axis to an orientation: Horizontal, Vertical and Axial.



You The https://www.youtube.com/c/ErbessdinstrumentsOfficial

REAR VIEW

The Phantom vibration sensor has everything you need to start collecting data without the need of additional accesories.

Add it to your measurement point trough DigivibeMX and you will be ready to monitor your machines instantly.

> Use Machine Learning, Envelope Alarms, Identify Bearing Faults and more with DigivibeMX.

CERTIFICACIONES





PHANTOM EXPERT GEN 3 | VIBRATION SENSOR

Analize and visualize the health of your machines with **DigivibeNX**®





📫 EI ANALYTIC

Easily access your data worldwide with El Analytic and WiSER VIBE PRO.

Phantom sensors are compatible with communication protocols:



PHANTOM EXPERT GEN 3 | VIBRATION SENSOR

MEET THE PHANTOM FAMILY

Phantom RPM

With the RPM sensor you can easily analyze the revolutions per minute of any rotor, turbine or vent with incredible precision with a switching speed of 600kRPM.



Phantom Termocouple & Phantom Infrared

Have a better control of your machines' temperature. You can connect up to 3 thermocouple sensors or acquire the **infrared** temperature sensor so you can monitor with extreme precision.

Phantom Current

The Phantom current module allows you to measure up to 4 amperage channels with clamps that start with 50 amp and go to 500 amp.



Phantom GP

General Purpose modules that are compatibe with any kind of sensor to obtain wireless data. Available for **4-20mA**, **0-10V**, **Digital Signals** and **2.2Vpp** sensors.



2

Phantom All in One

Obtain the reliability of three sensors in only one Phantom module; vibration, temperature and current. Complete condition monitoring all in one.



Phantom Thermographic

Camera

With the Phantom thermal camera you can take infrared images of surfaces or objects at a distance of no more than 1m. Use DigivibeMX to create trends at different points of these captures.



WORLDWIDE toll-free:

+1-877-223-4606

ENGLISH: Sales, Service & Support Engineer +1-518-874-2700 info@erbessdreliability.com

SPANISH & FRENCH: Sales, Service & Support Engineer +52 (55) 6280-7654 info@erbessd-instruments.com

BUY ONLINE www.erbessd-instruments.com

ALL THE IMAGES ARE FOR ILLUSTRATIVE PURPOSES ONLY. THE FINAL PRODUCT MAY VARY DEPENDING ON THE VERSION AND/OR THE CHANGES OR UPGRADES MADE TO THE PARTS AND COMPONENTS OF THE DEVICES © 2018 ERBESSD INSTRUMENTS

P3-DS2023.0221.11