

ERBESSD INSTRUMENTS®

# PHANTOM

Vibration Sensor

**PHANTOM Gen 2**, the best wireless condition monitoring system worldwide with **the best battery in the market.**



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

**Phantom Gen 2** has most of the same features as the Phantom Expert but with less space!

# TECHNICAL SPECIFICATIONS

You can find **Phantom Gen 2** in it's **High Sensitivity** version (EPH-V17) or in it's **High Range** version (EPH-V18).  
Just as the **Phantom Expert**.

MEASUREMENT						Dynamic Range:
Part Number:		Sensor:				2G / 4G / 8G
EPH-V17		MEMS triaxial accelerometer				Data Receiving Interval:
Frequency Range:		Spectral Noise:				6 hours (min) / Configurable
4 kHz (x,y)		130 µg/√Hz				Resolution Lines:
1.8 kHz (z)						6400
Recording Time(s):	1	2	4	8	16	Sensitivity:
Sample Rate (Hz):	25600	12800	6400	3200	1600	100mV/G
Max Frequency (Hz):	4000	2000	1000	500	250	

MEASUREMENT						Dynamic Range:
Part Number:		Sensor:				8G / 16G / 32G
EPH-V18		MEMS triaxial accelerometer				Data Receiving Interval:
Frequency Range:		Spectral Noise:				6 hours (min) / Configurable
10 kHz (x,y)		630 µg/√Hz				Resolution Lines:
5.1 kHz (z)						6400
Recording Time (s):	1	2	4	8	16	Sensitivity:
Sample Rate (Hz):	25600	12800	6400	3200	1600	100mV/G
Max Frequency (Hz):	10000	5000	2500	1250	625	

<b>POWER SUPPLY</b>		
<b>Battery Lifetime:</b> 12,000 measurements Standby mode if Gateway not detected	<b>Main Power Supply:</b> Lithium battery CR2032 3V (Replaceable)	
<b>CONNECTIVITY AND SOFTWARE</b>		
<b>Wireless Protocol:</b> Bluetooth BLE 5.0 / Modbus via Gateway	<b>Signal Strenght Range:</b> -90dBm to -30dBm	<b>Power Output Range:</b> -4dBm to +8dBm (Configurable)
<b>Software Compatibility:</b> DigivibeMX Phantom Version / WiSER Vibe Firmware Updates via Phantom Manager (iOS & Android)	<b>Wireless Range:</b> 100m line sight	<b>Operating Frequency:</b> 2.4GHz
<b>DIMENSIONS</b>		
<b>Dimensions:</b> 37.7mm x 33.7mm	<b>Weight:</b> 117 gr	<b>Base Temperature Range:</b> -40 to +80 °C (-40 to +176 °F)
<b>Material:</b> ABS / Stainless Steel	<b>Protection Rating:</b> Water and dust resistant (IP67)	

Analize and visualize the data of your sensors with **DigivibeMX®**

Access to your information in an easy way trough your browser or with DigivibeMX.



Phantom sensors are compatible with communication protocol

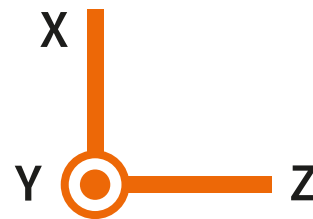


## QUICK GUIDE

Place your sensor the right way!



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



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

## ACCESORIES

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.

It's smart design allows you to place it anywhere you want using the right tools.

Just worry about where to place the sensor. We have the magnetic base perfect for the job.

# 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 Thermocouple & 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 compatible with any kind of sensor to obtain wireless data. Available for 4-20mA, 0-10V, Digital Signals and 2.2Vpp sensors.



## *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.



*Coming soon...*

*Phantom  
Thermographic  
Camera*



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