

ERBESSD INSTRUMENTS®

# PHANTOM

General Purpose Sensor

**PHANTOM**, the best wireless condition monitoring system worldwide.



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



With the General Purpose Phantom you can adapt the data collection to your specific needs. Take **any 4-20mA sensor** and make it wireless.



# TECHNICAL SPECIFICATIONS

## MEASUREMENT

**Part Number:**  
EPH-G61

**Range input:**  
4-20 mA CC

**Inputs:**  
4 channels

**Status:**  
Battery, temperature and  
4-20 mA value per channel

**Data Receiving Interval:**  
(Configurable)  
Min: 1 min  
Max: 120 min

**Internal Temperature Accuracy:**  
±5 °C

## POWER SUPPLY

**Battery Lifetime:**  
12,000 measurements  
Standby Mode if Gateway not detected

**Main Power Supply:**  
2 AAA 1.5 V Batteries (Replaceable)

## CONNECTIVITY AND SOFTWARE

**Wireless Protocol:**  
Bluetooth BLE 5.0 / Modbus via Gateway

**Signal Strength Range:**  
-90 dBm to -30 dBm

**Power Output Range:**  
-4 dBm to +8 dBm  
(Configurable)

**Software Compatibility:**  
DigivibeMX version  
Phantom & M30 / WiSER Vibe PRO  
Firmware Updates via Phantom  
Manager (iOS & Android)

**Wireless Range:**  
100 m line sight

**Operating Frequency:**  
2.4 GHz

## DIMENSIONS

**Dimensions:**  
100 mm x 77 mm x 26 mm

**Weight:**  
138 g

**Base Temperature Range:**

**Material:**  
Nylamid / Aluminum

**Protection Rating:**  
Water and dust resistant (IP67)

-40 to +80 °C  
(-40 to +176 °F)

## ACCESSORIES

The General Purpose wireless sensors are able to monitor virtually **any type of signal** and is compatible with other kind of sensors.

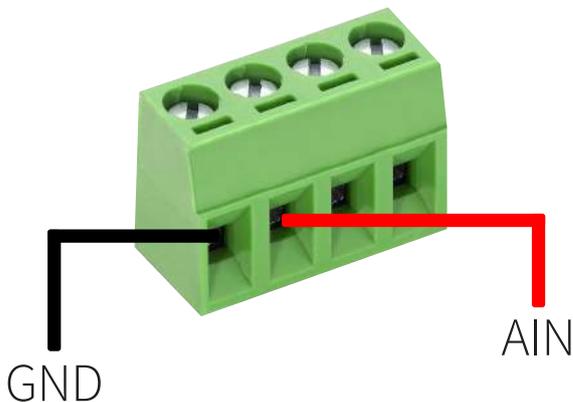
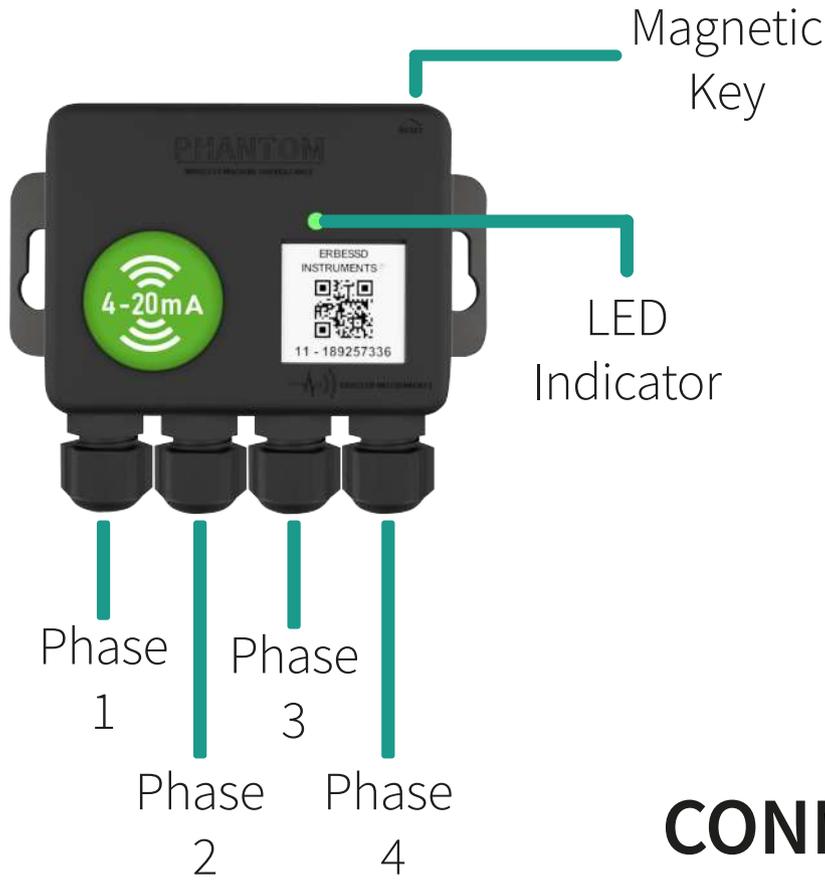


Any sensor with a **4-20mA** output range is compatible with the General Purpose Phantom sensor.

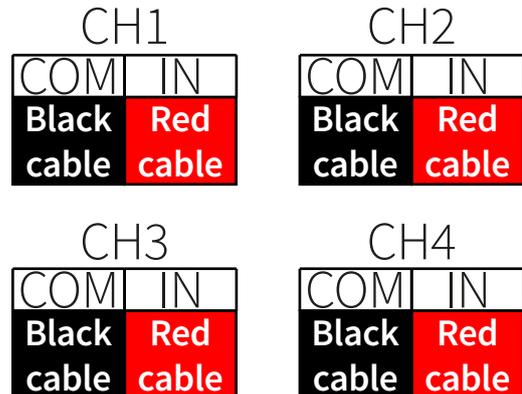
Just define a range for the mA received by the module and create your own parameters.

Place your sensor's cables easily with the help of a screwdriver

# QUICK GUIDE

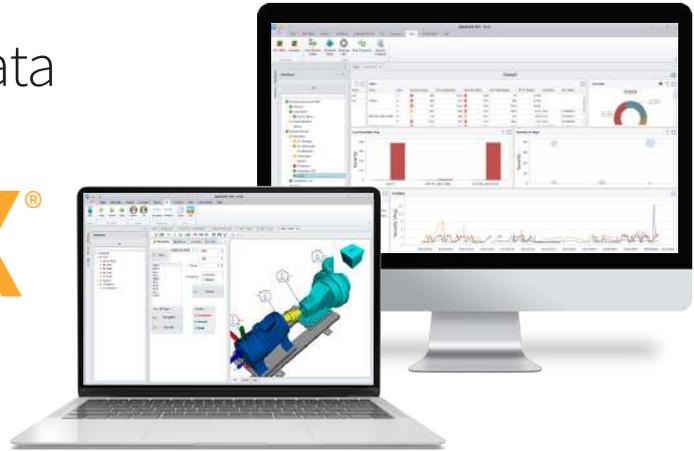


## CONNECTION DIAGRAM



Analyze and visualize the data  
of your sensors with

# DigivibeMX®



 **EIANALYTIC**

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

Phantom sensors are compatible with  
communication protocol



# MEET THE PHANTOM FAMILY

## Phantom Expert & Phantom Gen 2

High Range triaxial vibration sensor. It is able to send 3 simultaneous FFT and time waveform recordings at once. Available in **High Sensitivity**, **Biaxial** and **ATEX**.



## 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 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 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 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.



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