

ERBESSD INSTRUMENTS®

# PHANTOM

Current Sensor

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



With the current sensor you can measure up to 4 different phases between 50A and 500A.

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



# TECHNICAL SPECIFICATIONS

## MEASUREMENT

**Part Number:**  
EPH-C30

**Frequency Range**  
50-60Hz

**Accuracy:**  
±5%

**Measurement:**  
Minimum / Maximum /  
Average / Amp Hour

**Sensor:**  
Split core current transformer  
sensor

**Input:**  
4 Clamps for 4 phases  
measurement

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

**Clamps:**  
50 / 100 / 250 / 500 Amp

**Data Receiving  
Interval:**  
30min / Configurable

## POWER SUPPLY

**Battery Lifetime:**  
2-3 years\*  
Standby Mode if Gateway not detected

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

## CONNECTIVITY AND SOFTWARE

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

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

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

**Wireless Range:**  
100m line sight

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

**Operating Frequency:**  
2.4GHz

## DIMENSIONS

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

**Weight:**  
138 g

**Base Temperature  
Range:**

**Material:**  
Nylamid / Aluminum

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

-40 to +80 °C  
(-40 to +176 °F)

\*Depending on user's configuration

## ACCESSORIES

Each sensor has the ability to connect **4 clamps\*** to measure 4 simultaneous phases. You can use clamps of 50A, 100A, 250A and 500A. Our clamps are lightweight and easy to transport.

## Specifications

**Weight:**

55 gr (50A)  
68 gr (100A)  
186 gr (250A)  
280 gr (500A)

**Input:**

AC

**Core Material:**

Ferrite

**Output Voltage:**

5V

**Frequency:**

50Hz - 60Hz

**Operating Temperature:**

25°C to 60°C  
77°F to 140°F

**Dimensions:**

26mm x 50mm x 34mm

**Accuracy:**

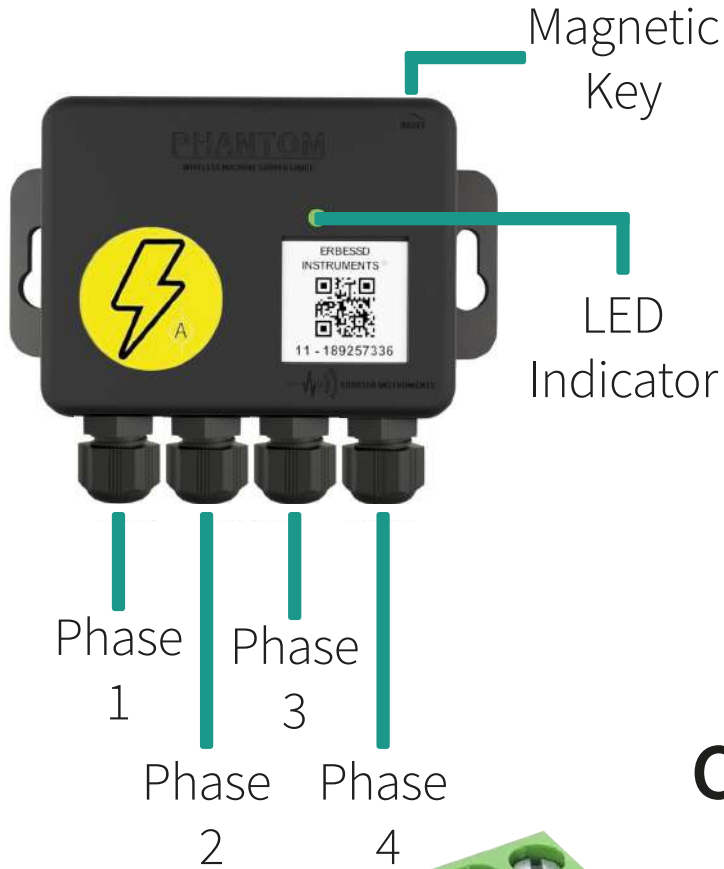
±2%



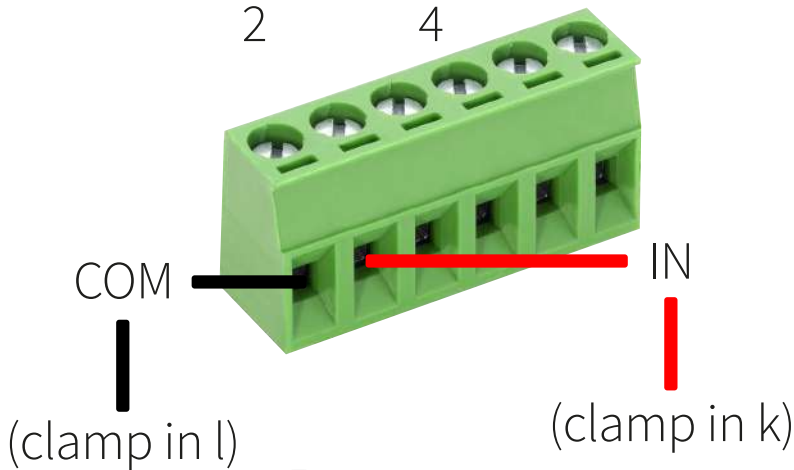
Place your sensor's cables easily with the help of a screwdriver

\*Sold separately

# QUICK GUIDE



## CONNECTION DIAGRAM



CH1

COM	IN
Black cable	Red cable

CH2

COM	IN
Black cable	Red cable

CH3

COM	IN
Black cable	Red cable

CH4

COM	IN
Black cable	Red cable

Analyze and visualize the data  
of your sensors with

**DigivibeMX**®



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

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 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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