ERBESSD INSTRUMENTS®

PHANTOM

Current Sensor

PHANTOM, the best wireless continuous 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.

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

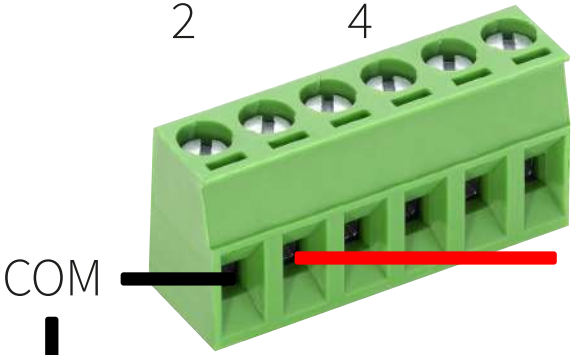
Accuracy:
±2%

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

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
Firware Updates via Phantom Manager (iOS & Android)

Signal Strenght 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 gr

Material:
Nylamid / Aluminum

Protection Rating:
Water and dust resistant (IP67)

Base Temperature Range:
-40 to +80 °C
(-40 to +176 °F)

*Depending on user's configuration

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 compatibe 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

Analize and visualize the data of your sensors with

DigivibeMX®

EI ANALYTIC

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

Phantom sensors are compatible with communication protocol

Modbus

ERBESSD INSTRUMENTS®

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