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	
Product code	EPH-C31
Input	4 clamps (split core current transformer)
Frequency Range	50-60 Hz
Status	Minimum / Maximum / Average / Amp Hour
Data receiving interval	Min: 1 min - Máx: 120 min
Clamps	50 / 100 / 250 / 500 Amp
POWER SUPPLY	
Battery lifetime	12,000 measurements
Main power supply	3.5 VDC / 1.5 A (2xAAA Batteries)
	5-24 VDC / 1A (External power supply)
CONNECTIVITY AND SOFTWARE	
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 & Phantom™ Manager) and Phantom™ Gateway
Software compatibility	DigivibeMX 11 M30 & Phantom™ Version / Phantom™ Manager and WiSER VIBE
Operating distance	100 m Line sight*
Contains FCC ID	X8WBT840
DIMENSIONS AND FIXTURE	
Dimensions (h x w)	100 mm x 77 mm x 26 mm
Protection grade	IP67
Weight	138 grams
Housing material	ABS, stainless steel
ENVIRONMENTAL CONDITIONS	
Operating temperature	-40 to 80 ºC (40 to 176 ºF)

ACCESSORIES

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

Specifications

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

Input:
AC

Core Material:
Ferrite

Output Voltage:
5 V

Frequency:
50 Hz - 60 Hz

Operating Temperature:
25 °C to 60 °C
77 °F to 140 °F

Dimensions:
26 mm x 50 mm x 34 mm

Accuracy:
±2 %



CERTIFICATIONS

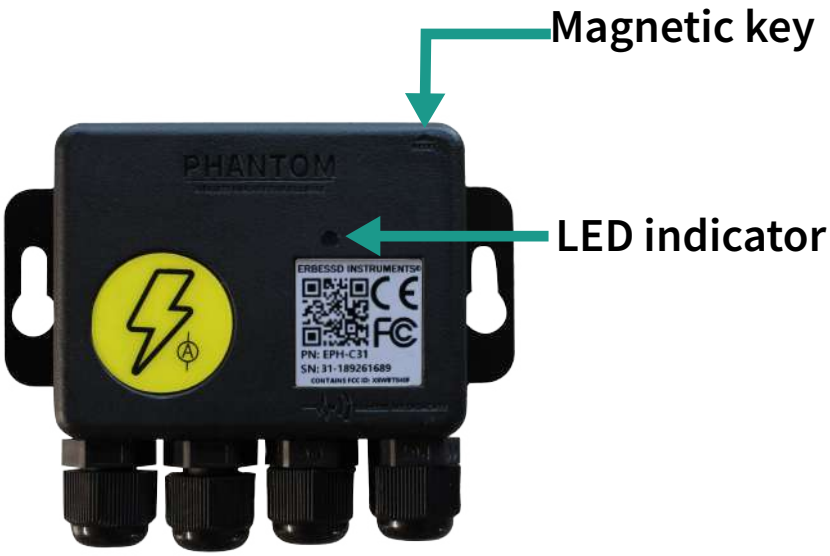
CE

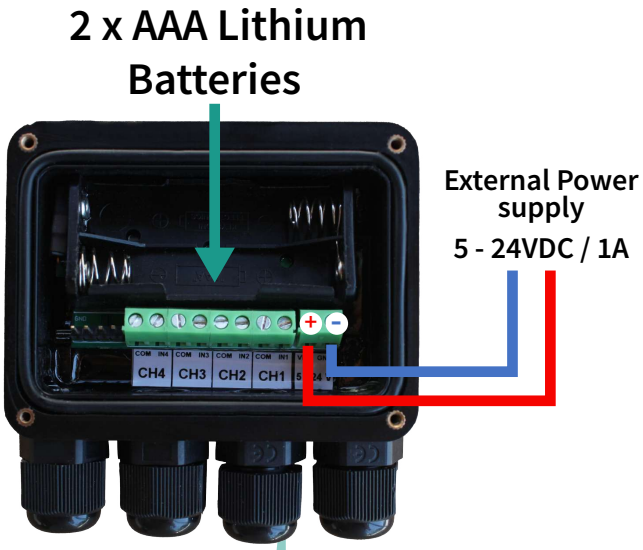
RoHS COMPLIANT

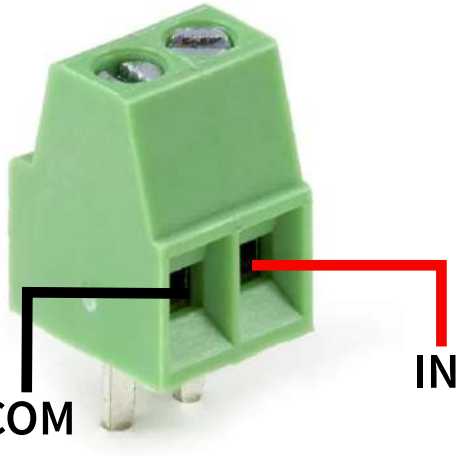
REACH COMPLIANCE

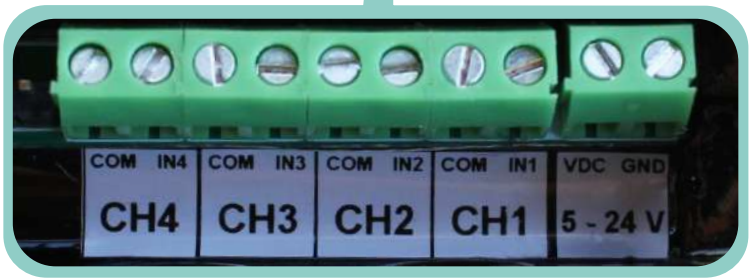
*Sold separately

QUICK GUIDE









Connection diagram

Analize and visualize the data of machines with DigivibeMX®





EI ANALYTIC

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

Phantom sensors are compatible with communication protocols:

Modbus OPC UA MQTT

(using Gateway 2.0)

MEET THE PHANTOM FAMILY

Phantom Expert Gen 3 & ATEX

Our popular triaxial vibration sensor. It is able to send 3 simultaneous FFT and time waveform recordings. Available in **High Sensitivity**, **High Range** 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.



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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