PHANTOM

IR Temperature Sensor

PHANTOM, the best wireless continuous monitoring system worldwide with **the best battery in the market**.
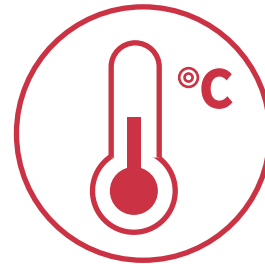
With the infrared temperature sensor you can collect data from your machines with an incredible precision.

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

ACCESSORIES

The temperature Phantom 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.

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

QUICK GUIDE

Just place the infrared sensor between 1cm to 10 cm of the sensing area and you are ready.

The sensing diameter starts at 2cm and grows 2cm for every 1cm you go farther from the object.

Just take in mind the lenght of the surface to measure so you receive the correct information from your Phantom sensor.

TECHNICAL SPECIFICATIONS

MEASUREMENT

Part Number:
EPH-T20

Sensor:
Infrared thermometer

Sensing Angle:
90°, for every 1cm you move away from an object, the sensing area grows by 2cm

Status:
Battery, temperature and RMS information

Data Receiving Interval:
5min / Not configurable

Internal Temperature Accuracy:
±5°C

Temperature Range (object):
-70°C to +380°C
-94°F to +716°F

Temperature Range (enviroment):
-40°C to +125°C
-40°F to +257°F

POWER SUPPLY

Battery Lifetime:
100,000 measurements
Standby Mode if Gateway not detected

Main Power Supply:
Lithium battery "1/6D" 3.6V and 1.7A

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

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

Wireless Range:
100m line sight

Operating Frequency:
2.4GHz

DIMENSIONS

Dimensions:
48mm x 34mm

Weight:
177 gr

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

Material:
ABS / Stainless steel

Protection Rating:
Water and dust resistant (IP67)

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 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 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.
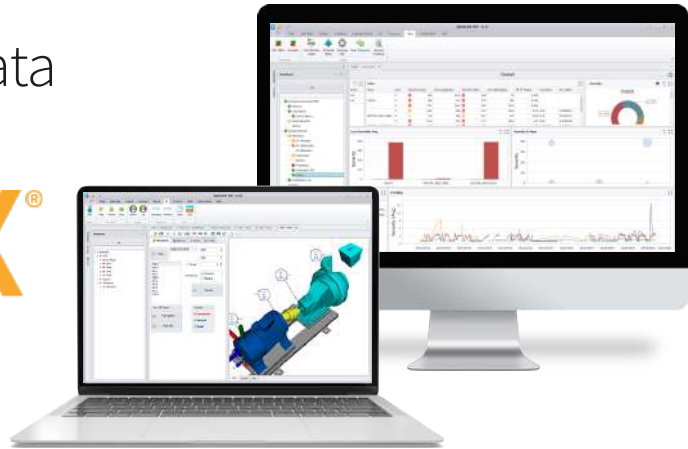
Coming soon...

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

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