

ERBESSD INSTRUMENTS®

# PHANTOM

Thermographic Camera

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



With the Thermographic Camera you can accurately measure the temperature of surfaces within 1 meter distance.



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-T70

**IR Resolution:**  
32 x 24 pixels

**Max Distance to Object:**  
up to 1m

**Frames to Capture:**  
1 to 16 frames

**Field of View:**  
110° x 75°

**Target Temperature:**  
-40 to +300 °C  
(-40 to +572 °F)

**Capture Rate:**  
0.25 to 4 fps

**Accuracy:**  
±1°C (±33.8°F)

**Recording Interval:**  
5 to 720 min (Configurable)

## POWER SUPPLY

**Battery Lifetime:**  
12,000 measurements  
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 Phantom Version  
Firmware Updates via Phantom  
Manager (iOS & Android)

**Wireless Range:**  
100m line sight

**Operating Frequency:**  
2.4GHz

## DIMENSIONS

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

**Weight:**  
140 g

**Base Temperature  
Range:**

-40 to +75 °C  
(-40 to +167 °F)

**Material:**  
Nylamid / Aluminum

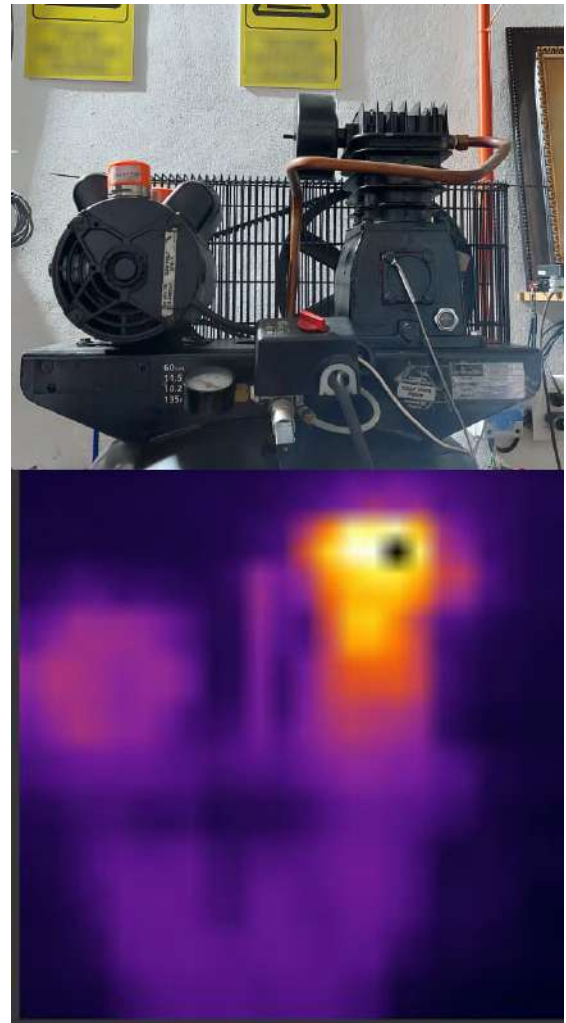
**Protection Rating:**  
Water and dust resistant (IP5X)

## ACCESSORIES

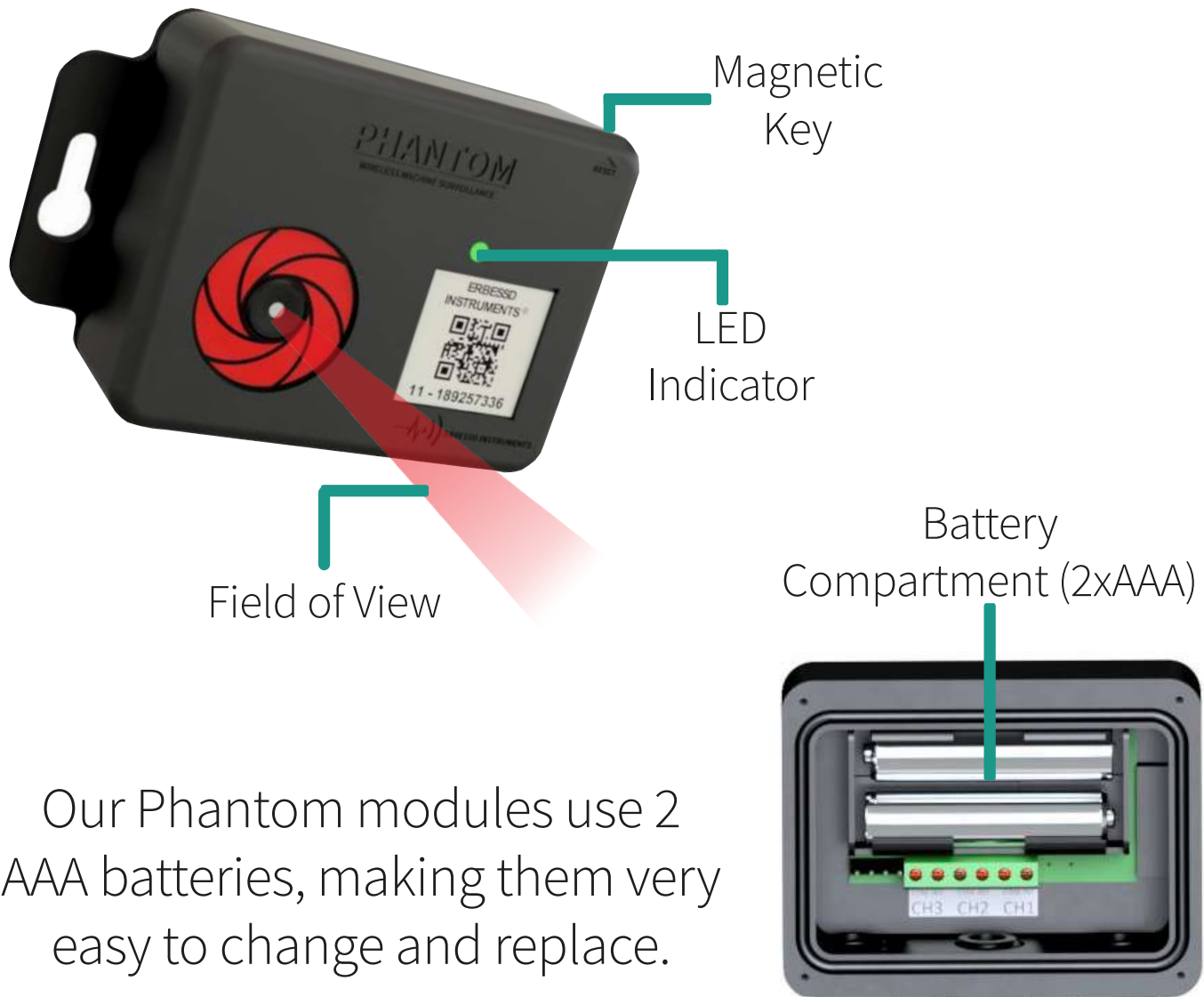
The Phantom thermographic camera has everything you need to start collecting data without the need of additional accessories.

Add it to your measurement point through DigivibeMX and you will be ready to monitor your machines.

Follow the steps on the Phantom Wizard and take a look at your measurements in the Extra Parameters.



# QUICK GUIDE



Our Phantom modules use 2 AAA batteries, making them very easy to change and replace.

Analyze and visualize the data of your sensors with

# DigivibeMX®



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

You can access special configurations and update your Phantom sensors with **Phantom Manager**.



# 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 Thermocouple & 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 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 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.



## 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.



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