ERBESSD INSTRUMENTS®

PHANTOM

IR Temperature Sensor

PHANTOM, the best wireless condition 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.

TECHNICAL SPECIFICATIONS

MEASUREMENT	
Product code	EPH-T20
Sensor	Infrared thermometer
Status	Battery and internal temperature
Data receiving interval	5min / Not configurable
Inputs	4 channels
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 type	Lithium battery (CR2477)
Battery life	65,000 measurements (duration depends on user configuration)*
	Standby mode if Gateway not detected
	Consumption of 6-9 µA in Standby mode
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 PRO & Phantom™ Manager) and Phantom™ Gateway
Software compatibility	DigivibeMX 11 M30 & Phantom™ Version / Phantom™ Manager and WiSER VIBE PRO
Operating distance	100 m Line sight*
Contains FCC ID	X8WBT840
DIMENSIONS AND FIXTURE	
Dimensions (h x w)	48 mm x 34 mm
Protection grade	IP67
Weight	177 grams
Housing material	ABS, stainless steel
ENVIRONMENTAL CONDITIONS	
Operating temperature	-40 to 80 ºC (40 to 176 ºF)

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 mounting perfect for the job.

CERTIFICATIONS

CE

RoHS COMPLIANT

REACH COMPLIANCE

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.

The sensing angle is 90° and for every 1cm you move away from an object, the sensing area grows by 2cm

Analize and visualize the health of your machines with

DigivibeMX®

EI ANALYTIC

Easily access your data worldwide with EI Analytic and WiSER VIBE PRO.

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 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.

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 and alarms.

ERBESSD INSTRUMENTS®

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