ERBESSD INSTRUMENTS®

PHANTOM

Thermocouple Temperature Sensor

PHANTOM, the best wireless condition monitoring system worldwide.





Have a better control of your machines' temperature with the Phantom Thermocouple sensor.

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-T26
Sensor	Thermocouple type K
Temperature range (ambient)	-40 °C to 80 °C (-40 °F to 176 °F)
Temperature range (object)	-100 °C to 1250 °C (-212 °F to 2282°F)
Status	Battery and internal temperature
Data receiving interval	Min: 1 min - Max: 120 min
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	Nylamid / Aluminium
ENVIRONMENTAL CONDITIONS	
Operating temperature	-40 to 80 ºC (40 to 176 ºF)

ACCESSORIES

Place your **thermocouple type K*** on your Phantom and start monitoring This sensor can handle the most extreme temperatures so you can have control of even the most demanding machinery.

Specifications

Operating Temperature:
-100 °C to 1250 °C
-212 °F to 2282 °F

Probe Material:
Stainless steel

Cable Lenght:
3 meters

Dimensions (probe):
5 mm x 100 mm

Cable External Covering:
Stainless steel

Cable Internal Covering:
Glass fiber



CERTIFICATIONS

CE

RoHS COMPLIANT

REACH COMPLIANCE

*Not included in the kit.

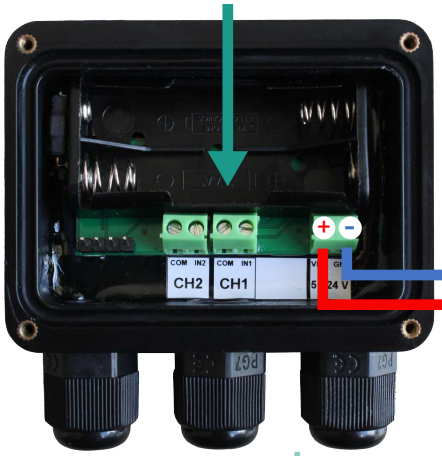
QUICK GUIDE

Magnetic key

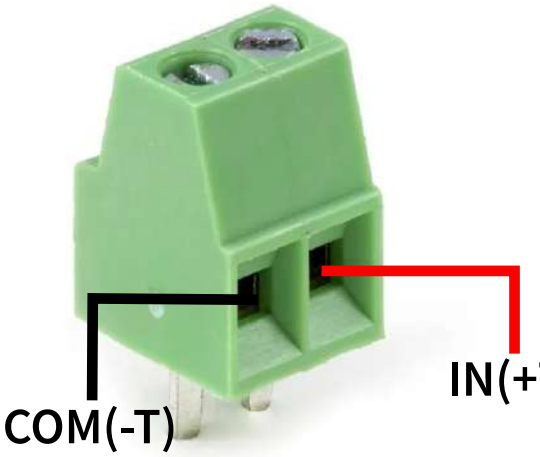


LED indicator

2 x AAA Lithium Batteries



External Power supply
5 - 24VDC / 1A



COM(-T)

IN(+T)



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 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.



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