

ERBESSD INSTRUMENTS®

PHANTOM

RPM Sensor

PHANTOM, the best wireless condition monitoring system worldwide.



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



With the RPM sensor you can easily analyze the revolutions per minute of any rotor, turbine or vent with incredible precision.



TECHNICAL SPECIFICATIONS

MEASUREMENT	
Product code	EPH-S40
Sensor	Hall effect sensor
Switching speed	600 kRPM
Active distance	5 mm to 15 mm
Status	Battery, internal temperature and RPM value
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 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)	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 °C (40 to 176 °F)

ACCESSORIES

The RPM Phantom is optimized for use with a **Hall effect sensor**. Its case design enables screw or adhesive mounting and capable of switching up to 28Vdc and 20mA.

Specifications

Switching Speed:
600 kRPM

Dimensions (case):
11 x 25.5 x 3 mm

Operating Temperature:
-40°C to 100°C
-40°F to 212°F

Cable length:
3m

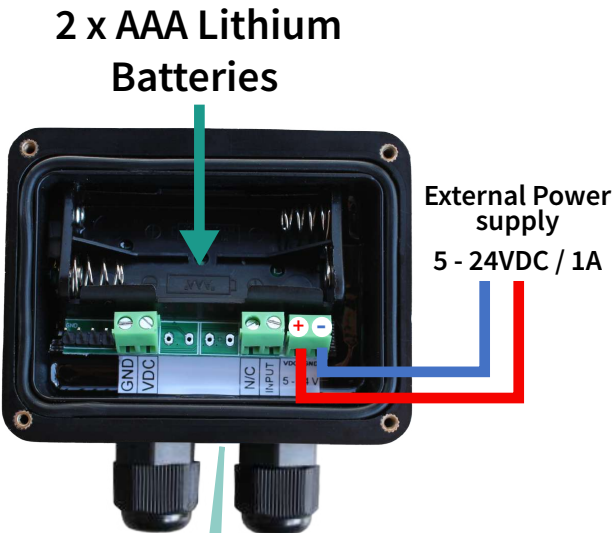
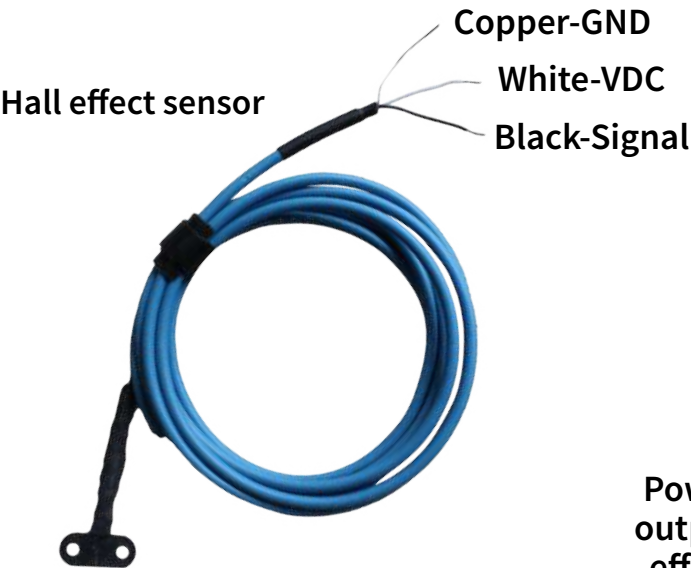
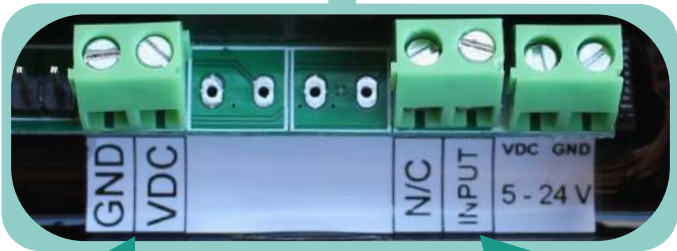
Shock resistance:
150g (max)



CERTIFICATIONS



QUICK GUIDE



Connection diagram

Power supply output for Hall effect sensor

Signal Input

Analyze 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:



(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 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 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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