



Sensores de vibrações Wireless

Vibration Analysis & Dynamic Balancing

Wireless Machine Surveillance

Precision Wireless Laser Shaft Alignment for Horizontal & Vertical Machines

Soft Bearing Dynamic Balancing Machines 30KG-25000KG

Video Vibration Analysis & Deflection Technology with LiveDial™



Build Your Own Balancing Machine

Sensores Phantom



Phantom Condition Monitoring Sensors
Are wireless Smart Factory Devices
Designed to record critical machine health
Conditions for analysis and to help plan and
Schedule maintenance prior to an asset failure

- Phantoms Communicate via Secure BLE 5.0.
- Phantoms have a dedicated Cryptocell 310 Cryptographic processor for security
- 100M line of sight range in an industrial environment
- 2-6 year battery life.
- Each gateway can manage up to 100 sensors
Recording 4 times per day.



Products for todays discussion

DigivibeMX
Data
Analysis
Platform



EI Analytic
Cloud
Platform

Phantom
Online
Condition
Monitoring



E-Wiser
Handheld
Data
Collection

Sensores Phantom

Expert Vibration Series



EPH-V11 High Range Triaxial
Freq Range: 10 Hz – 10 kHz
Dynamic Range: 8/16/32G Configurable
Lines of Resolution: 6400
Recording Time: 1 - 16 Seconds Configurable
Battery Life: Up to 100,000 Recordings



EPH-V10 High Sensitivity Triaxial
Freq Range: 0.5 Hz – 4 kHz
Dynamic Range: 2/4/8G Configurable
Lines of Resolution: 6400
Recording Time: 1 - 16 Seconds Configurable
Battery Life: Up to 100,000 Recordings



EPH-V12 Ultra Low Noise Biaxial
Freq Range: 0.1 Hz – 15 kHz
Lines of Resolution: 6400
Recording Time: 0.6 Seconds
Battery Life: Up to 100,000 Recordings

FAILURE:

- ✓ Rotor imbalance (motor)
- ✓ Impeller imbalance (pump, fan)
- ✓ Phase imbalance
- ✓ Power Supply (Network and frequency driver)
- ✓ Rotor excentricity (motor)
- ✓ Structural problem
- ✓ Resonance
- ✓ Misalignement
- ✓ Soft foot
- ✓ Coupling problem
- ✓ Bearing looseness
- ✓ Structural looseness
- ✓ Belt defect
- ✓ Damage on belt pulley
- ✓ Bearing defect
 - Outer race
 - Inner race
 - Cage
 - Rolling element
- ✓ Poor bearing assembly
- ✓ Lubrication issue (oil & grease)
- ✓ Gear wear
- ✓ Broken gear teeth
- ✓ Gear misalignment
- ✓ Broken rotor bars (motor)
- ✓ Stator problems (motor)

Temperature Sensors

All of our wireless sensors include temperature, however, we added wireless temperature sensors dedicated to measure extreme temperatures

We have 3 different options for Temperature: Non-contact and Thermocouple.

Compatible with Type K thermocouples, it can measure temperature with a range of -210 C to 1,800 C.

However, if you want complete wireless, we have the non-contact version, which uses an optic sensors to measure from -50 C to 350 C.

EPH-T25 Contact Temperature



EPH-T20 Non-Contact Temperature



Câmaras termográficas



Wireless Thermographic Camera / Phantom EPH-T22 Thermal Camera

\$395.00

DESCRIPTION ADDITIONAL INFORMATION

DESCRIPTION

The new member of the Phantom family: **Phantom Thermographic Camera**. Inspect and supervise temperature information of your machines with the incredible accuracy and the configurable recording interval of our new Phantom.

Features:

- IR Resolution **32x24 pixels**
- Field of View **110°x75°**
- Max distance to object up to **1m**
- Target temperature from **-40°C to 300°C (-40°F to 572°F)**

Add it to your database and use it along the rest of your **Phantom** Complete condition monitoring for your company.

