

PORTABLE CONDITION MONITORING SYSTEMS



VSHOOTER+[®]

AUTO VIBRATION ANALYZER

synergys-technologies.com





VSHOOTER+®

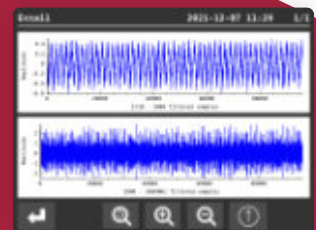
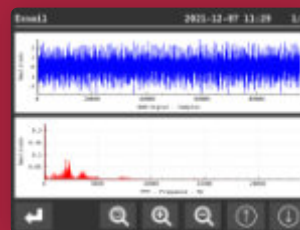
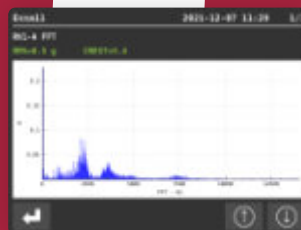
AUTO VIBRATION ANALYZER

PREDICTIVE MAINTENANCE HAS NEVER BEEN EASIER!

- **Machine Condition Picture (MCP)** at a glance
- High quality wired 100 mV/g ICP&IEPE sensor with strong magnet
- Overall RMS values - FFT spectrum - Time signal - Trend curve - T°
- Li-Ion battery with 6 hours autonomy
- Embedded IR thermal camera (160x120 FLIR Lepton)
- Embedded 5 MP digital visible camera
- AUTO ANALYSIS capabilities : Unbalance - Misalignment - Looseness - ??? - Bearing lubrication - Bearing shock
- BALISHOOTER® firmware for severity checking of only Unbalance or Misalignment defaults
- Reporting capabilities with PC via USB
- Stereo headphone output



	ISO						
RV1	G2F-10						
RH2	G2F-10						
AX3	G2F-10						



Unique BALISHOOTER® program for Unbalance & Misalignment default severity detection:



Unbalance is critical in fan installations (direct coupled or with belt pulley transmission)

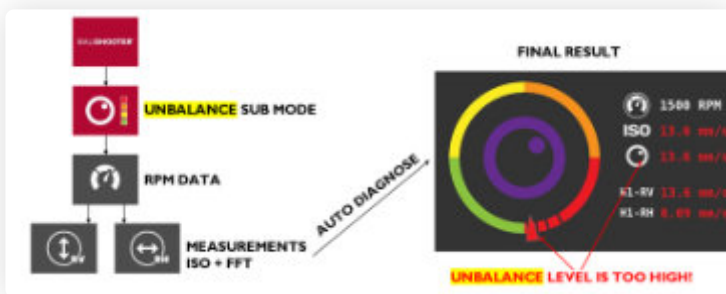


Misalignment is critical in direct coupled machines (with coupling)

Neglecting **Unbalance & Misalignment** can be catastrophic: **BREAKAGE - MTBF DECREASE - BEARING FAILURE - PRODUCTION LOSS - SEAL WEAR...**

Unbalance & Misalignment (direct coupling) represent about **70% of vibration problems** on a rotating machine like an electrical motor, a pump, a fan (blower)...

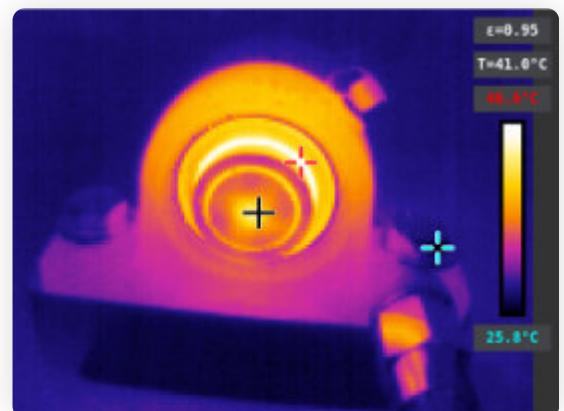
Unbalance & Misalignment (direct coupling) defaults can easily be repaired (Balancing and Alignment job).



VSHOOTER+® will automatically analyze UNBALANCE or MISALIGNMENT defaults levels and will let you know what's happened on your machine at a glance.



VSHOOTER+® also includes an infrared thermal camera (160x120 pixels FLIR LEPTON) program with **Emissivity setting, Central cursor, Max Auto cursor, Min Auto cursor**. Thermal pictures can be taken and downloaded to PC via USB.



TECHNICAL SPECIFICATIONS

Weight 3,2kg with case - 0,7kg for device only

Size 310x165x65mm for device only

IP54 for device only (ABS plastic) - 6H Li-Ion rechargeable battery

Camera Digital 5MP

IR camera FLIR LEPTON 160x120 px

Display 5,7" 640x480 px touchscreen

Sensor ICP/IEPE accelerometer - 100 mV/g with strong magnet

Output Stereo headphone for "mechanical" listening

Measurements 10(2)-1000 Hz ISO RMS in mm/s
1000-14000 Hz RMS in g & CREST
T° from -10°C > +400°C
2-400 Hz in mm/s & 2-14000 Hz in g FFT & TIME
TRENDING mm/s & g
BALISHOOTER® firmware

Memory Micro USB output for PC reporting and memory saving

Power charger Universal 12VDC-1,5A



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