



WIRELESS VIBRATION BALANCER SYSTEM UAV & ULA

AIRVIB Simple and Intuitive Portable System

The AIRVIB® system consists of an Acquisition Unit (AU) to be installed in the in-flight UAV / ultra-light aircraft to which sensors are connected to, and a Display Unit (DU) controlled by the ground operator.

This lightweight wireless system allows the recording, processing and interpretation of all vibratory signals in order to meet your needs. Its quick and punctual installation allows the use of a single system for a fleet of aircraft, thus optimizing costs.

The track measurement on a rotary wing makes it possible to visualize and adjust the positions of the rotating blades. The universal tuning program offers balancing solutions for all types of flying models.



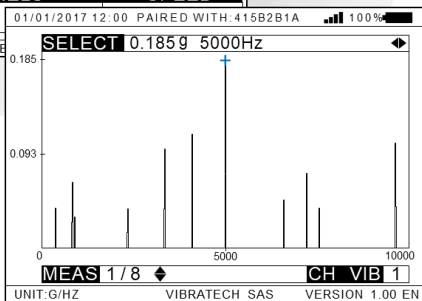
MEAS	CHANNELS	SPEED
1	CH VIB: 1 CH TACH: A	1705 RPM
2	CH VIB: 2 CH TACH: A	1705 RPM
3	CH VIB: 4 CH TACH: C	4310 RPM
4	CH VIB: 7 CH TACH: D	

Dynamic balancing on 4 channels simultaneously

TRACK MEASURE HEIGHT						
SPEED TACHY: 470 RPM						
NUMBER OF BLADES: 6						
1	2	3	4	5	6	
+50						
high						
0						
low						
-50						

Track measurement for height and lead/lag

Spectrum analysis configurable on 8 channels



Calculation and proposal of balancing solutions

BALANCING PROGRAM #1	
CHANNELS: 1-A	
0.641IPS @ 8H58 632RPM	
Very Good Unacceptable Execrable	
SOLUTION: 9.8gm @ 2H00	
14.7gm @ 3H30	
PREDICTION: 0.014IPS @ 2H38	
USE THIS SOLUTION	
Overall 0.723IPS	
MORE OPTIONS	

User-selectable interface language (English, French, Spanish and Chinese).



Key System Features and Benefits AIRVIB

Remote vibration analysis on the Drone / UAV / VTOL / ULA with a maximum range of 8 km (5 mi) in flight. Designed to analyze and tune fixed and rotating wing aircraft as well as multi-rotor.

Affordable system delivered complete with all its accessories. Supplied in a rugged, compact and lightweight carrying case.

Modern technology with a color screen, choice of measurement units and language, battery charge with USB C port and SD card for backup.

Complies with European industry standards relating to electromagnetic disturbances and radio spectrum.

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