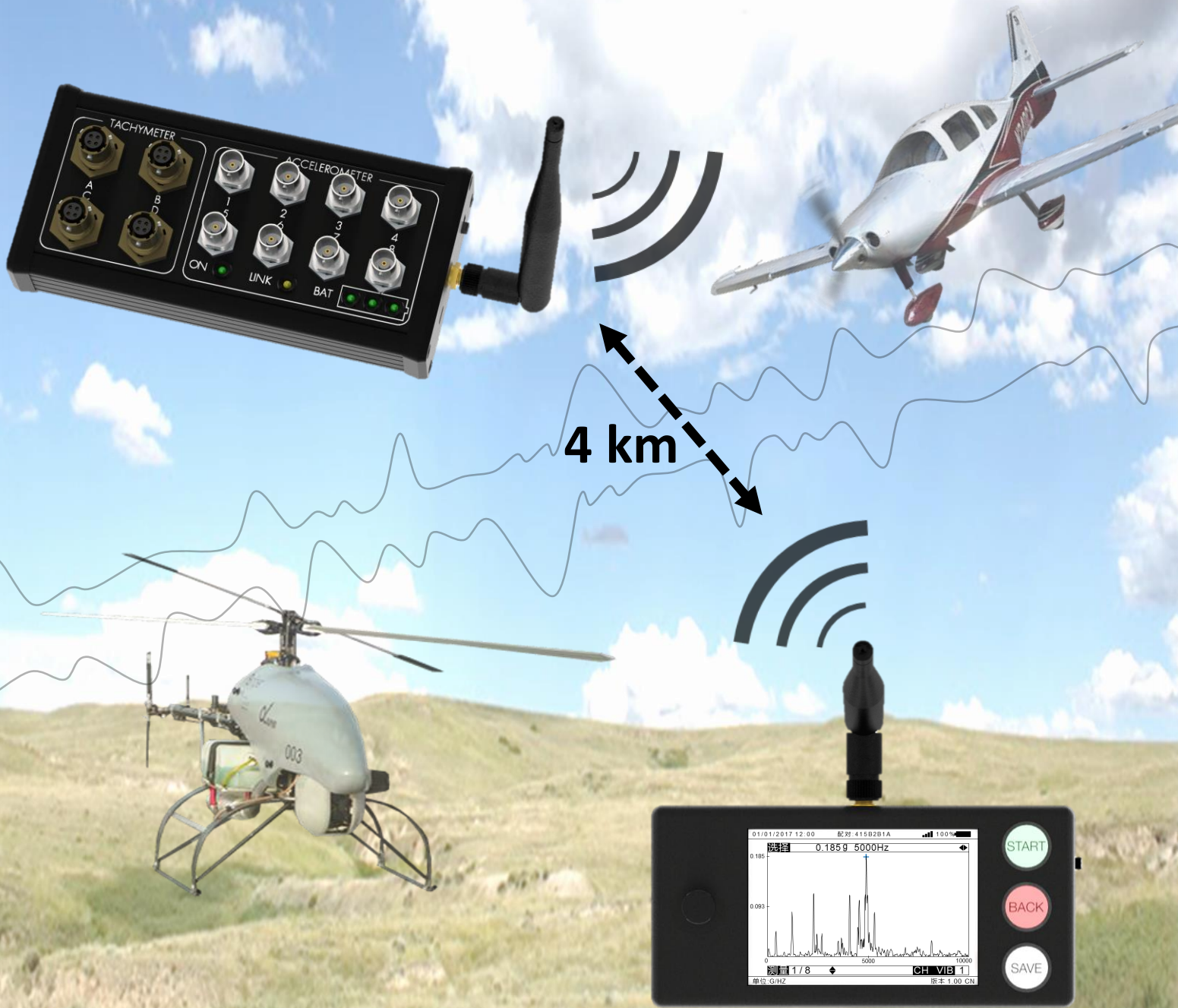




无人机&轻型飞机动平衡分析仪 (有线或无线)

WIRED / WIRELESS VIBRATION BALANCER SYSTEM
UAV & ULTRALIGHT AIRCRAFT



4路速度/频闪通道

4带12V直流电源的输入，可以用于磁传感器或光电传感器，可以使用频闪枪或光学跟踪器测量轨迹

4 tachymeter / strobe channels

4 inputs with 12 VDC power supply for magnetic or optical speed sensors and a strobe gun or optical tracker

8路同步的加速度计通道

用于压电加速度计(4 mA-24 VDC),可在8通道上同时进行振动分析

8 simultaneous accelerometer channels

8 inputs for piezoelectric accelerometers(4 mA - 24 VDC) with simultaneous vibratory analysis on all channels



LEDs

电源，电池余量和无线连接
LEDs 指示

LEDs

Power, battery level and
wireless link LEDs indicator

RP-SMA接口

用于无线天线或有线连接

RP-SMA connector

For antenna or wired link
connection

USB-C 接口

标准的USB-C接口的5V充电

USB-C connector

Battery charging at 5V with a
standard USB-C connector

显示单元 / Display Unit

USB-C接口

标准5V的USB-C接口

USB-C connector

Battery charging at 5V with a standard
USB-C connector

RP-SMA连接头

用于无线天线或有线连接

RP-SMA connector

For antenna or wired link
connection

SD 卡

参数和数据以纯文本格式保存在SD
卡

SD card

Parameters and measures can be
saved on SD card in non-proprietary
text file

摇杆

摇杆可以直观控制

Joystick

Joystick for intuitive navigation

操作界面

3个按钮（开始，后退和保存）
更便捷的在菜单中切换

Interface

3 buttons (start, back and
save) for an easy navigation in
the menus

彩色LCD屏

480x320 像素3.5寸 (8.9 cm)
图形彩色显示屏

LCD color screen

Color interface on 480x320
pixels and 3.5" (8.9 cm)
graphical screen



了解更多
Find out more

VIBRATECH France
contact@vibratech.fr
www.vibratech.fr

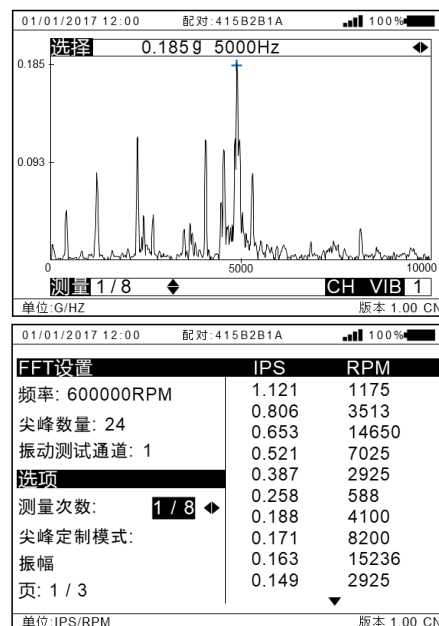
VIBRATECH INTERNATIONAL China
quote@vibratech-intl.cn
www.vibratech-intl.cn

8通道频谱分析

能够在8个振动通道上同时进行频谱分析，每次测量800个点。频谱可以以图形或峰值模式显示在LCD屏幕上。数据可以在SD卡上保存或删除，可以传输到计算机，用Excel轻松查看并且生成报告。

Spectrum analysis 8 channels

Ability to perform spectral analysis simultaneously on up to 8 vibratory channels with 800 points for each measurement. Spectrums can be displayed on the LCD screen in graphic and peak mode. Data can be saved using the removable SD card and transferred to a computer to easily review them and generate reports using Excel.



测量	通道	速度
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	2300 RPM

平衡程序 #1	
通道: 1-A	
0.641IPS @ 8H58 632RPM	
解决方案: 9.8gm @ 2H00	
14.7gm @ 3H30	
预测: 0.0141PS @ 2H38	
使用此解决方案	整体振动水
更多选项	0.723IPS

4通道动平衡仪

动平衡测试，可同时对4个振动传感器和4个转速计进行平衡测量。用户可以选择合适的测量单位（RPM/Hz, IPS/g）。动平衡数据可以保存在可拆卸SD卡。给出无人机和超轻型飞机平衡一体化解决方案。

Dynamic balancer 4 channels

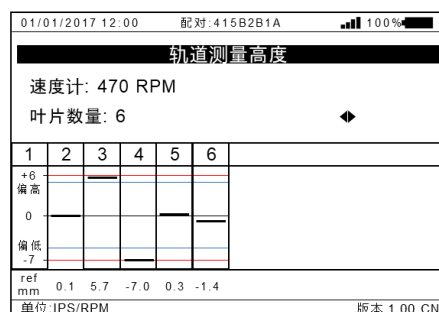
The balancing process can be performed simultaneously on up to 4 rotors using 4 tachymeter sensors and 4 vibration sensors. Appropriate unit can be selected by the user (RPM/Hz, IPS/g). Balancing data can be saved on the removable SD card. The integrated universal balancing chart provides balancing solutions for any type of UAV and ultralight aircraft.

多达12片桨叶同时测量轨迹

能够在多达12个叶片的转子/螺旋桨上进行轨道测量，结果为高度和超前/滞后的数据。可以与频闪枪的兼容使用。

Track measurement up to 12 blades

Ability to perform simultaneously a track measurement on a rotor/propeller up to 12 blades with results in height and lead/lag differences. Compatible with the use of a strobe gun.*



无线传输距离高达4公里

在半径50公里范围内，系统通过扫描周围存在的设备，显示器可以连接到范围内的任何采集单元。*

Wireless communication up to 2 NM

The display unit can be connected to any acquisition unit by scanning the devices present in the perimeter. The system works within 2 nautical miles / 2,5 miles radius range*.

* 仅适用于兼容的AIRVIB® / Only for compatible AIRVIB®
*参考技术规格 / Refer to technical specifications



了解更多
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contact@vibratech.fr
www.vibratech.fr

VIBRATECH INTERNATIONAL China
quote@vibratech-intl.cn
www.vibratech-intl.cn

AIRVIB®数据采集单元 AIRVIB® Acquisition unit		AIRVIB®显示单元 AIRVIB® Display unit	
振动通道数 Number of vibratory channels	8 通道 8 channels	同时可用振动通道 Simultaneous vibratory channels	8 FFT / 4 balance
速度计通道数 Number of tachymeter channels	4 通道 4 channels	同时可用速度通道 Simultaneous tachymeter channels	4 balance
振幅精确度 Amplitude accuracy	± 5% (动平衡) ± 10% (频谱)	续航 Autonomy	≈ 14 小时 ≈ 14 hours
相位精度 Phase accuracy	± 10° ± 20 分钟	尺寸 (mm) Dimensions (in)	143 x 73 x 28 5,6 x 2,9 x 1,1
动平衡转速范围 Balance frequency range	3 – 800 Hz 180 – 48000 RPM	重量 Weight	≈ 260 g ≈ 0,57 lb
FFT频率范围 FFT frequency ranges	0 – 10 kHz	通用信息 General information	
精度 FFT resolution	800 bins	无线连接范围（完全无遮挡，且无干扰的情况） Wireless range (unobstructed, free of interference)	
自动续航 Autonomy	≈ 10 小时 ≈ 10 hours	高达4KM / Up to: 4 km (2 NM / 2,5 mi)	FC CE UK CA
尺寸 (mm) Dimensions (in)	175 x 81 x 48 6,9 x 3,2 x 1,9	取决于国家868 MHz或900MHz的无线电链路 868 MHz or 900 MHz radio link depending on country	
重量 Weight	≈ 500 g ≈ 1,1 lb	内置256位AES无线数据加密 Built-in 256 bits AES wireless data encryption	
语言：英语，法语，西班牙语，中文 Languages: English, French, Spanish, Chinese		单元之间线缆连接可用 Cable connection between units available	
测量数据保存在SD卡，在计算机上轻松处理和生成报告 Backup measurements on SD card to process and generate reports easily on computer		模块化功能允许用户用一个显示单元同时连接控制多个采集单元 Modularity capability allows user to connect several acquisition units controlled by one display unit interface	

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维特振动科技（深圳）有限公司 - The Vibratech company

30多年来，Vibratech一直是飞机振动分析领域的重要参与者。Vibratech在法国和中国设有2家客户服务和维护中心，负责振动分析设备的维修和校准。我们公司支持制造商开发其飞行原型并分析其振动数据。我们还在世界各地进行理论和实践培训，教授振动分析的基础知识和设备的使用。请随时与我们联系，我们的专业技术团队随时为您服务。

For more than 30 years, Vibratech has been a major actor in the field of vibratory analysis on aircrafts. Vibratech owns two customer service and maintenance centers located in France and in China for repair and calibration of vibratory analysis equipment. Our company supports manufacturers in the development of their flying prototypes and in the analysis of their vibration data. We also conduct theoretical and practical training around the world to teach the basics of vibration analysis and the use of our equipment. Do not hesitate to contact us, our specialized technical team is at your disposal.

