

VIBREX 2000 PLUS (V2K+)

THE COST-EFFECTIVE BALANCER/ANALYZER WITH SUPERIOR ENANCED PERFORMANCE FOR FIXED-WING OR ROTORCRAFT

Whether you have a fixed-wing aircraft, helicopter, turbine engine or reciprocating engine, the Vibrex 2000 Plus meets your needs.

The V2K+ is a vibration analysis and balancing tool that rapidly



This balancer/analyzer acquires accurate plane and helicopter vibration readings and allows you to balance the propellers or blades using the integrated display –without the use of paper charts, or you can use any of the 150 available Honeywell or factory – paper charts. Beyond that, the unit is also capable of balancing shafts and blowers, making the Vibrex 2000 Plus a complete balancing tool system.

The spectrum analyzer provides the operator with an overview of rotor and drive train vibration.

THE MODEL TO FIT YOUR NEEDS

The V2K+ is applicable to aircraft and engines with component frequencies of 600,000 rpm or less and balance speeds below 30,000 rpm. For reciprocating engine powered aircraft, the V2K+basic model is a sure fit.



V2K+ FEATURES:

- Propeller balance
- Helicopter track & balance
- Vibration analysis
- Multiple channel input for multiple balance jobs
- Automatic weight sensitivity correction
- RS232 interface for connection to printer and/or personal computer
- Uses common rechargeable or disposable D-cell batteries
- Strobex for helicopter blade track

CUSTOMIZED KITS AND UPGRADES AVAILABLE

The V2K+ comes as a complete kit, with all the software, accessories and instructions for your particular application in a rugged, portable carrying case.

With more than 50 years of experience on more than 300 different applications, Honeywell products are proven and reliable.

As new aircraft come into the market Honeywell is always there developing new applications for your customized needs.





FOUR EASY STEPS TO F AA-APPROVED PROP BALANCE

The easy-to-understand manuals enable the user to initiate and complete up to four different balancing jobs at one time. The instrument automatically corrects for the propeller response to weight changes and these corrections can be saved for future balancing exercises.

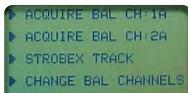
A "first round hit" solution means less vibration, even on the first adjustment. Two channels allow the user to measure the propeller and rear of the engine during balancing.

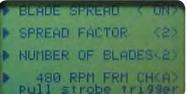
All measurements, sensitivities, solutions, and annotations are stored in memory and can be reviewed on the instrument, printed on the optional portable thermal printer, or downloaded to a personal computer.

Use the V2K+ with Honeywell's FAA approved "The Smooth Propeller" publication to lower vibration and improve ride quality.

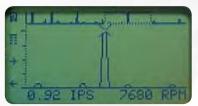
PINPOINT PROBLEM COMPONENTS

Spectrum Analysis - Use spectrum analysis to pinpoint problem components with ease. The "List Peaks" spectrum printout identifies the highest peaks quickly. Use the harmonic and order features to identify misalignment, mechanical looseness, or imbalance to guide your maintenance action.

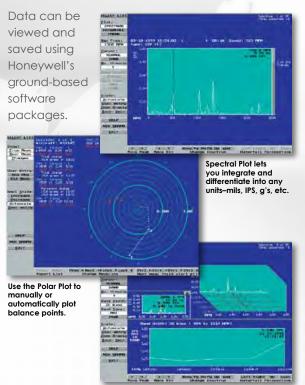








BETTER THAN A CRYSTAL BALL



Use the "Waterfall" to Trend & Predict Component failures

Diagnostic Solutions International LLC is a veteran owned small business registered with the Small Business Administration and Central Contracting.

With more than 300+ years combined experience diagnosing and solving complex vibration, rotor track and balance, and engine performance issues, Diagnostic Solutions International LLC offers an extensive knowledge base and expertise, yielding reduced down time, repair costs, and reactive maintenance. We specialize in providing on-site technical support, training, and health and usage monitoring system data management and analysis.

Diagnostic Solutions International LLC is the Premiere Worldwide CBM HUMS Distributor.



Specifications
7.38"H x 7.25"W x 1.81"D 18.75 cm x 18.42 cm x 4.6 cm
3.5 lbs. (with batteries) nominal
3-6.4 VDC 250mA
2 ea. Velocimeter, (19 mV/IPS sensitivity)
2 ea. Pulse input, Magnetic Pickup or logic type
4 ea. D-Cell batteries Reverse polarity circuit protected and fused
1 Serial, RS-232, 9600 baud
± 15°
240 to 10,000 RPM (Basic), 120 to 30,000 RPM (Plus)
2 minutes or 1 degree
2.5
1500-24,000 / 1200-600,000
400 Lines
1 MB
Programmable Flash Memory
± 5% from 5 Hz to 333 Hz
± .5dB from 4 Hz to 500 Hz ± 1dB from 501 Hz to 10 KHz
>50dB
0 to 380mV peak (20 ips)
19mV/IPS peak
100 - 50,000 RPM
0.15%
0.5 to 12 Volts peak nominal
0°C to 50°C, or 32°F to 120°F
CE certified to: Standard EN50081-2; Standard EN50082-2
Included with all models

Specifications subject to change without notice