

Listado de Equipos y Certificaciones.

Analisis de vibraciones.

**LUBRICANTES
TRADING, C.A.**

COMMTEST VB 2000



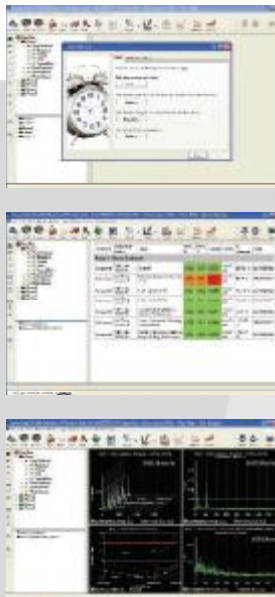
vb2000™



EASY AND EFFICIENT TWO-CHANNEL CAPABILITY

The **vb2000** offers the extra power and convenience of dual-channel measurement and two accelerometers. It enables quick diagnosis and correction of dynamic imbalance, the most common form of imbalance. Combined with the ability to print reports and spectral data on site the **vb2000** delivers a premium return on investment.

Included with the **vb2000** is **Ascent®** vibration analysis software. **Ascent Level 1** enables you to program the **vb** instrument with up to 780 separate machine definitions covering up to 240 different route choices. A library of over 200 customizable parameter sets is also available enabling a vast array of measurement options.



supplied with **Ascent** software



- **Ascent Level 1** Software
- Route enabled – build routes in **Ascent** and send to the **vb** instrument
- CBDb – Commtest Bearing Database with over 30,000 bearings
- Efficient two-channel operation
- Dual-plane balancing with printable reports
- Two accelerometers – included in the purchase price
- Laser speed sensor – for automatic capture of machine running speed
- 8 MB memory – store up to 8000 spectra in the **vb** instrument
- ≥ 95 dB dynamic range
- 20 kHz Fmax
- 3200 Line FFT capability
- “Commtest Care” including 5 year warranty on the **vb** instrument

On-site printing requires the purchase of an optional thermal printer. Please see your local Commtest reseller for details.

CALIBRATION CERTIFICATE

Model	vb 2000	Serial #	12022
		Module Serial #	12022
		PROFLASH Version #	5.50

CALIBRATION

vb channel 1 60.03 60 +/- 0.60 mm/sec

vb channel 2 60.04 60 +/- 0.60 mm/sec

vb settings: Fmax 400 Hz, sensor sensitivity 100 mV/g
 Input signal: 100 Hz, 0.3844 V AC, 12 V DC offset

TESTING INFORMATION

Manufacturer	Model	Serial Number	Calibration Due Date
Keithley	2000	0579112-2	April 2007
SRS	DS360	61256	April 2007

The calibration of the vb instrument is traceable to national standards maintained by the National Institute of Standards and Technology (NIST).

Calibrated by : AM

Date : 12 June 106
 DD MM YY

~ Calibration Certificate ~

Per ISO 10063-21

Model Number: 603M56

Serial Number: 95606

Description: ICP® Accelerometer

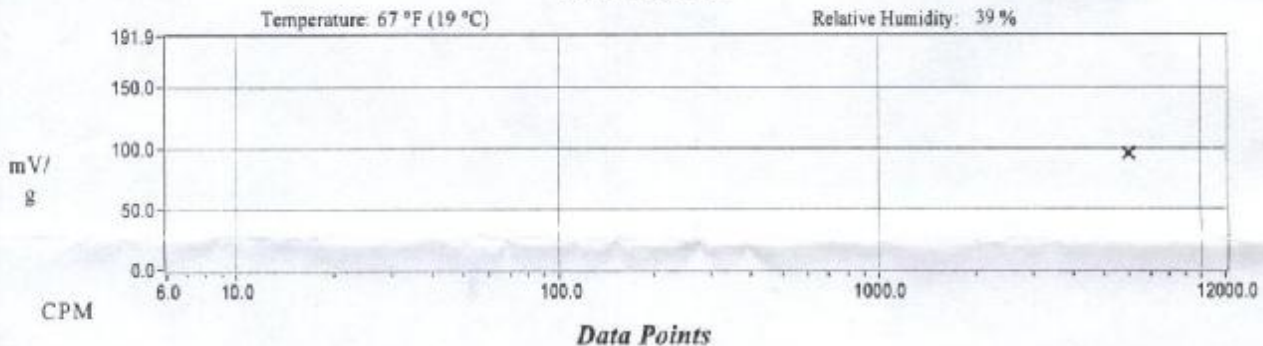
Method: Back-to-Back Comparison Calibration

Manufacturer: IMI

Calibration Data

Sensitivity @ 6000 CPM 96 mV/g Output Bias 10.5 VDC
(9.79 mV/m/s²)

Sensitivity Plot



Measuring Surface: Stainless Steel Fastener: Stud Mount

Fixture Orientation: Vertical

Acceleration Level (rms): 1.00 g (9.81 m/s²)

*The acceleration level may be limited by shaker displacement at low frequencies. If the listed level cannot be obtained, the calibration system uses the following formula to set the vibration amplitude. Acceleration Level (g) = 0.010 x (freq)²

Condition of Unit

As Found: n/a

As Left: New Unit, In Tolerance

Notes

1. Calibration is NIST Traceable thru Project 822/271196 and PTB Traceable thru Project 5399.
2. This certificate shall not be reproduced, except in full, without written approval from PCB Piezotronics, Inc.
3. Calibration is performed in compliance with ISO 9001, ISO 10012-1, ANSI/NCSL Z540-1-1994 and ISO 17025.
4. See Manufacturer's Specification Sheet for a detailed listing of performance specifications.
5. Measurement uncertainty (95% confidence level with coverage factor of 2) for frequency ranges tested during calibration are as follows: 5-9 Hz; +/- 2.0%, 10-99 Hz; +/- 1.5%, 100-1999 Hz; +/- 1.0%, 2-10 kHz; +/- 2.5%.

Technician: Tammy Haskins

Date: 03/30/06



ACCREDITED
Cert No 1442.02

IMI SENSORS
A PCB PIEZOTRONICS DIV.

Headquarters: 3425 Walden Avenue, Depew, NY 14043

Manufacturing and Calibration Facility: 10869 Highway 903, Halifax, NC 27839

TEL: 888-684-0013 FAX: 716-685-3886 www.pcb.com

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~ Calibration Certificate ~

Par ISO 16063-21

Model Number: 603M56

Serial Number: 95607

Description: ICP® Accelerometer

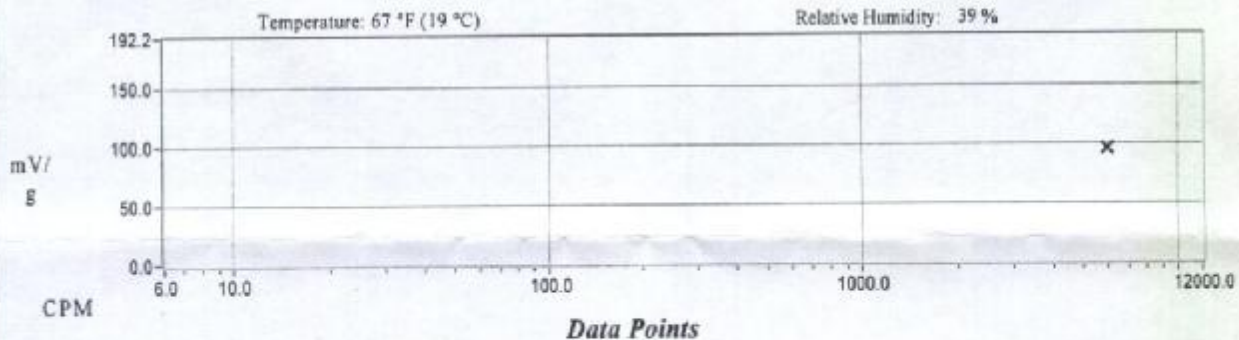
Method: Back-to-Back Comparison Calibration

Manufacturer: IMI

Calibration Data

Sensitivity @ 6000 CPM 96 mV/g Output Bias 10.4 VDC
(9.80 mV/m/s²)

Sensitivity Plot



Mounting Surface: Stainless Steel Fastener: Stud Mount

Fixture Orientation: Vertical

Acceleration Level (rms): 1.00 g (9.81 m/s²)

*The acceleration level may be limited by shaker displacement at low frequencies. If the listed level cannot be obtained, the calibration system uses the following formula to set the vibration amplitude: Acceleration Level (g) = 0.000 × (freq)²

Condition of Unit

As Found: n/a

As Left: New Unit, In Tolerance

Notes

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