

# VibdataPro

## Professional Vibration Meter Analysis Software for Castle Excio & Vexo Instruments

Castle Group have a world wide and enviable reputation for our rugged, reliable, accurate and undeniably easy to use vibration meters ... now get the professional software to compliment your instrumentation to the MAX.

Every instrument is supplied with a FREE Lite version of Vibdata. Try it out with no expiry, no obligation, no problem.

Like what you see and want all the features then purchase from our online shop at :-

[www.castleshop.co.uk](http://www.castleshop.co.uk)

or call us on :-

**01723 584250**

Once purchased our dedicated help team will issue you an unlock code for your software which you can use immediately. You can then restart your software and you'll be running the Pro version.

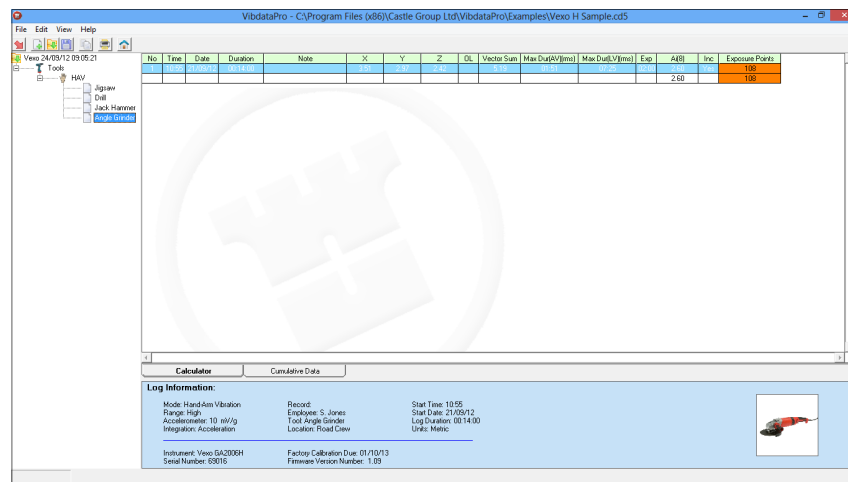
Data from the instrument is downloaded into VibdataPro just as fast via USB connection using the cable which is also supplied with the instrument.

VibdataPro is compatible with the following 32 or 64 Bit Operating Systems :-

- **XP, Vista, Windows 7, Windows 8**

Benefit from the following extra features by upgrading to VibdataPro :-

- **Exposure Calculator, Merge / Combine Files, Add Images, Trend Analysis, Add New Records**



## Simple, Sleek & Portable

Like our instrumentation, VibdataPro has been developed by our team of vibration experts for people who want professional, easy to use, no fuss software.

Access the most useful functions of the software from the Home screen using one click large buttons.

Depending on your vibration meter model VibdataPro will display Hand Arm, Whole Body or Machinery Vibration data. Any type can be open simultaneously and viewed with one simple click of the mouse.

Data can be grouped into the following categories :-

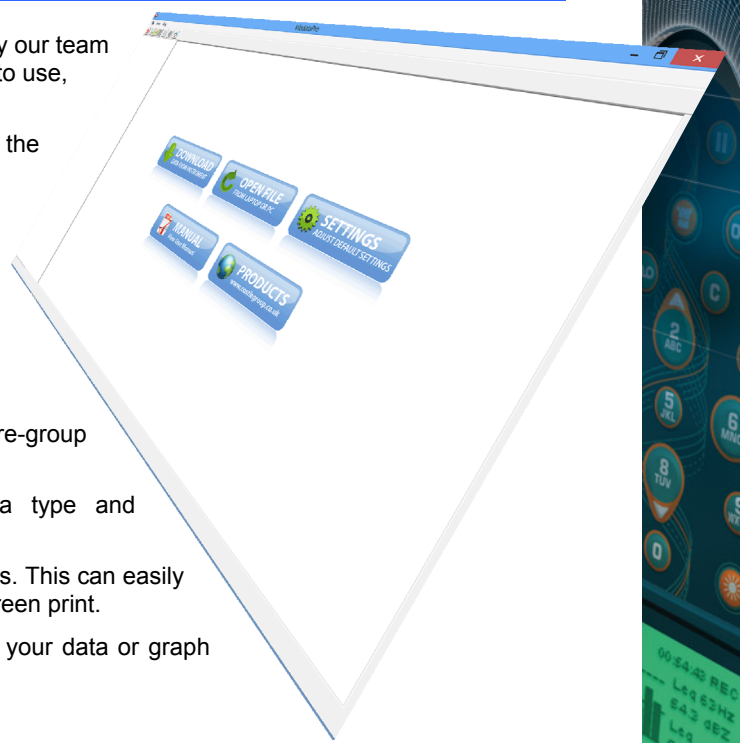
- **Date, Location, Tool, Record, Employee**

A hugely powerful feature of VibdataPro is the ability to re-group the data into any category, any time.

Identifiable icons allow quick clarification of both data type and categories.

VibdataPro even allows an image be added to individual files. This can easily be seen when the file is open and can be included in the screen print.

Want to create your own reports ... no problem, just copy your data or graph and paste into any spreadsheet or word processor.



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# VibdataPro - Professional Vibration Analysis Software

## Reports

Each screen has a print report associated with it, just click the print icon for a professional report with the information you need.

The report is based on what parameters you select for printing and can be adapted to your particular application to create the report exactly as you need it.

Change the company Logo to your own and print in your report.

Alternatively copy and paste the data into a word processor or spreadsheet document to customize your own report structure.

**Castle GROUP**

HARM Data - Cumulative Data

Angle Grinder

No	Time	Date	Duration	Note	X	Y	Z	OL	VS	Max(A)	Max(LA)	Exp	Ai(8)	Inc	Exp Pts	
1	10:55	21/09/12	00:14:00		3.51	2.97	2.42			5.19	01.51	07.25	02.90	2.80	Yes	108

Parameter X Y Z  
 Filter Wh Wh Wh  
 Avg 3.51 2.97 2.42  
 Alarm 4.58 3.55 3.21  
 Peak 7.61 9.70 8.68

**Log Information:**  
 Mode: Hand-Arm Vibration  
 Range: High  
 Accelerometer: 10 mV/g  
 Integration: Acceleration  
 Record: S. Jones  
 Employee: S. Jones  
 Tool: Angle Grinder  
 Location: Road Crew  
 Start Time: 10:55  
 Start Date: 21/09/12  
 Log Duration: 00:14:00  
 Units: Metric

Instrument: Vexo GA2006H  
 Serial Number: 05016  
 Factory Calibration Due: 01/10/13  
 Firmware Version Number: 1.09

Produced using Castle VibdataPro Vibration Analysis Software. For more information: Tel: +44 (0)1723 584250, Fax: +44 (0)1723 583728, Email: sales@castlegroup.co.uk, Internet: http://www.castlegroup.co.uk Page 1

Settings

General Fields Display Criteria

Measurement Mode: Hand-Arm Vibration

Data Format: Screen

Available Fields:

- Points [15m]
- Points [1h]
- Dominant
- Employee
- Location
- Record
- Tool
- No Time
- Date
- Duration
- Note
- X
- Y
- Z
- OL
- Vector Sum
- Max Dur(AV)(rms)
- Max Dur(LV)(rms)
- Exp
- Ai(8)
- Inc
- Exposure Points

Buttons: Add >>, << Remove, Move Up, Move Down, OK, Cancel

## Settings and Preferences

Set exactly the information you want displayed, printed or copied ... for individual modes and in the order of your preference.

Action and Limit Levels can be set to allow for changes in regulations or for use outside of the UK.

Edit or add names to each recording for the following: -

- Location, Tool, Record, Employee

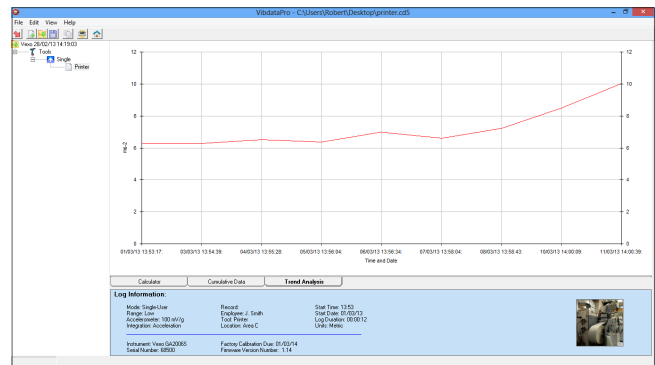
## Trend Analysis

An extremely useful tool when using single axis instrumentation for machine monitoring as part of your predictive maintenance program.

It can also be used for Hand ARM measurements.

The Trend Analysis graph plots the Vector Sum from multiple recordings and plots them in time / date order.

You can instantly see any deterioration in the equipment and provide any necessary service work to minimize disruption to production and reduce any costly repairs.



VibdataPro

File Edit View Help

File: 19/08/12 08:52:44

No	Time	Date	Duration	Note	X	Y	Z	OL	Vector Sum	Max Dur(AV)(rms)	Max Dur(LV)(rms)	Exp	Ai(8)	Inc	Exposure Points
1	08:59	19/08/12	00:00:10		0.39	0.38	0.26		0.56	<24 hrs	<24 hrs	02:00	0.48	1%	4
2	08:59	19/08/12	00:00:10		0.43	3.13	1.01		3.03	03:40	14.41	02:00	1.87	1%	56
4	09:02	19/08/12	00:00:10		0.90	1.50	1.05		2.10	13:18	<24 hrs	02:00	1.05	1%	18
5	09:04	19/08/12	00:00:10		0.98	1.25	0.88		1.75	13:02	<24 hrs	02:00	0.98	1%	12
6	09:02	19/08/12	00:00:10		0.45	0.98	0.77		1.33	<24 hrs	<24 hrs	02:00	0.64	1%	15

Calculator Cumulative Data History (Table) History (Graph) Trend Analysis

**Log Information:**  
 Mode: Hand-Arm Vibration  
 Range: 50 m/s^2  
 Accelerometer: 50 mV/g  
 Integration: Acceleration  
 Record: 0020  
 Employee: S. Jones  
 Location: 1st Floor  
 Start Time: 08:59  
 Start Date: 19/08/12  
 Log Duration: 00:00:10  
 Units: Metric  
 Instrument: Vexo GA2006H  
 Serial Number: 05016  
 Factory Calibration Due: 10/10/17  
 Firmware Version Number: 2.25

## Dose Calculator

Combine recordings of the same type for Hand ARM or Whole Body and let VibdataPro calculate your Exposure Points using the system developed by the HSE and also the Maximum times based on the Action and Limit Levels.

Change the Exposure Time for individual recordings and the calculator immediately recalculates the parameters.

VibdataPro even colour codes individual and the overall Exposure Points for quick, easy recognition.

# To the Safety, Health and Environment Professional...

The issues faced every day by Health, Safety and Environmental professionals are vast and varied. At Castle, we have spent a lot of time developing products and services to make your life easier!

Castle Group Ltd are one of the leading international group specialists in technical safety, health and environment solutions. Whether you are in Industry, Construction, Local Authority or anywhere there are safety or environment issues, we are a resource you really could use. We can help with Noise, Vibration, Air sampling, Gas detection, Light and temperature and just about anything else that needs measuring. The following services show you how we can help

## FREE Health & Safety Training Seminars!

To get you off the ground, refresh your knowledge or just to get a taste, Castle is continually running FREE Safety, Health and Environmental seminars around the country. Covering subjects from Noise at Work, to COSHH and Audiometry, the list is ever growing, as are the locations. Check out our web site for the next seminar near you.



[www.castlegroup.co.uk](http://www.castlegroup.co.uk)

## Castle Instruments

Dealing with many Safety, Health and Environmental issues may well mean you need access to a plethora of **equipment** and **instrumentation** to carry out measurements and assessments necessary for the job.

At Castle we can provide you with just about any of the equipment you might need. All our equipment comes with the **guarantee** of back-up and support you only get from a company with 40 years under its belt! Here are a few of the core products we can offer, but we can also source anything you may need!

- Noise and Vibration Measurement Equipment
- Audiometers, Otoscopes and Booths
- Air-Sampling Pumps, Calibrators and Consumables
- Gas-Detection and Personal Monitors
- Emissions and Air Quality
- Light, Temperature, Humidity and Airflow
- PAT Testing Equipment
- Visual Inspection

[www.castlegroup.co.uk](http://www.castlegroup.co.uk)





## Castle Training Academy

Training is becoming an ever more important area of consideration to industry **professionals** and the Castle Training Academy is fulfilling the need for more and more companies every year. The Academy now offers **competence** training along with IOSH and CIEH **qualifications**. What is more, look out for our NEW City & Guilds provision. All courses come with professional **CPD** points and many are eligible for CITB and Train to Gain **grant funding**.



You can see a full list of courses and book-online on our website.

[www.castletrainingacademy.com](http://www.castletrainingacademy.com).

## CastleRent

There are a number of **reasons** why rental may be the solution for you. You may only have a one-off use, a special contract, a limited budget or a need for supplementary products. In any case, our **flexible booking** system, next day a.m. delivery and open-pricing mean that you can address any of these issues without delay. For long-term contracts, such as construction projects, Castle Rent is also a **tax efficient** way to 'own' equipment. Finally, for peace of mind, what better way is there to try a product before deciding to buy it? We even give you money back if you do purchase!

### The Advantages of Castle Rent;

- Easier on cash-flow
- Rent for long- or short-term as you need it
- Let the Tax Man pay for you!
- Try before you buy
- Four weeks for the price of three
- No on-going maintenance costs
- Sourcing service for any other equipment you need

[www.castle-rent.com](http://www.castle-rent.com)

## Castle Care

Measurement instrumentation must be **regularly** calibrated to a traceable standard and this is certainly true for most health, Safety and Environmental monitoring equipment. At Castle, our team of **highly trained and experienced** technical staff can service and calibrate almost any type of monitoring equipment from Noise and Vibration meters to Thermometers and Scales. The Castle '**Premier Service**' includes menu pricing and a normal turnaround time within 5 days. What is more, we will evaluate any instrument and return it for **FREE** if you do not want to proceed.



### Castle premier service and calibration offers...

- Free Evaluation Service
- Clear and Simple Pricing
- UKAS Accreditation Available
- Large range of equipment calibrated
- 4 Levels of calibration available for most equipment
- Annual contract calibrations with up to 20% off

[www.castle-care.com](http://www.castle-care.com)

## Castle Contracts

For companies with **multiple** pieces of **equipment**, there is also Castle's 'Contract Calibrations'; an annual scheme to take the hassle out of maintaining equipment certification. Castle will issue calibration **reminders**, collect your equipment if required and return it calibrated as soon as possible. This scheme also affords a **saving** of up to 20% on annual calibration charges.

[www.castle-care.com](http://www.castle-care.com)

## Castle Consultancy

Castle **experts** are waiting to help you. Because we have a **network** of consultants across the country, we are poised to **react** to your requirement. Not only can we normally provide a local service, but we can usually help right away if you need us to!

Whether you are limited for time, in need of further **expertise** or just want some **advice**, we can assist. We have provided a wide range of services to many top companies for projects large and small.

**Here are some of the services we can provide, but if it's not here, just ask!**

- Noise or Vibration risk assessments
- Building Acoustics
- COSHH compliance
- Environmental Impact Assessments
- Air Quality Monitoring
- Occupational Health Screening programmes

[www.castle-consultancy.com](http://www.castle-consultancy.com)

## Castle Online

You can access all our products and services online whenever you want, just go to [www.castlegroup.co.uk](http://www.castlegroup.co.uk) and you will find a **knowledgebase** packed full of useful facts and information. You will also find details of all our upcoming **FREE seminars** and training courses as well as product information on literally hundreds of health, safety and environmental items, which are available to purchase directly through a secure server. Among other things you will find:

- HS&E Measurement Products
- Books, Standards and Publications
- HS&E CD's DVD's
- Stopwatches and Timers
- Scales and Distance Measurement
- Water Testers

You will also find our shop on ebay of all places - <http://stores.ebay.co.uk/Castle-Group-Safety> or just go onto ebay and type Castle Group Safety in the shops section.

## Who are Castle

For 40 years, Castle has been driving forward with product and service innovation. For a number of the early years, the company focussed on the development of sound and vibration measuring equipment. This was then progressed by adding training courses, rental and consultancy eventually leading to the Castle of today, which is helping many customers deal with a vast range of health, safety and environmental issues in a variety of ways. The future is a very exciting place at Castle and we are working on many new initiatives with our customers firmly in mind!