

Castle VEXO S Vibration Meter

Vexo (GA2006S) Single Axis Machinery Vibration Meter

The Concept

The Castle Vexo S has been developed out of the need for an exacting product for an exacting industry. To operate successfully in the world of Maintenance condition monitoring and fault diagnostics, any new vibration meter must live up to certain expectations. The Vexo S has been designed specifically to function at maximum performance when the going is tough.

VEXO S (GA2006S)

The Vexo S is dedicated to monitoring vibration from industrial sources such as rotating machinery, bearing housings and any other source of mechanical vibration. With dedicated alarm modes for machinery rating and bearing condition, the Vexo S is perfectly suited to busy maintenance teams who need the right answers right now!

The supplied re-chargeable battery pack and charger means you also won't ever be fumbling around for fresh batteries when you are supposed to be on the shop floor making measurements!

Couldn't be Simpler!

With a large colour screen and the support of VibdataPro PC software, the Vexo S requires virtually no set-up so power it on, press record and that's it!

Just about everything from here is available to view directly on the screen without the need for scrolling.

Connectivity

All measured values can be saved to the internal flash memory of the Vexo for subsequent output. The results

can be viewed on the instrument's own display or downloaded to Castle's VibdataPro PC software via a high speed USB connection. Software Vibdata LITE is included with each instrument!

POCKETABLE POWER

Miniaturised Power!

The memory built into the Vexo S is large enough to never have to worry about and will store measured results safely in 'flash' format. Results can be recalled to the screen or can be downloaded for analysis on a laptop or PC.

Each instrument is supplied with a comprehensive user manual in electronic format and a laminated getting started sheet.

The Vexo Range

There are 2 models in the Vexo range; the Vexo S as detailed here and the Vexo H, which is a dedicated Hand Arm Vibration meter, with the distinct benefit of small size and powerful measurement capability.

Both these meters make full use of their large colour display to ensure the simplest of user interfaces and clearest presentation of results no matter the application.

Vexo S (GA2006S) - Single Axis

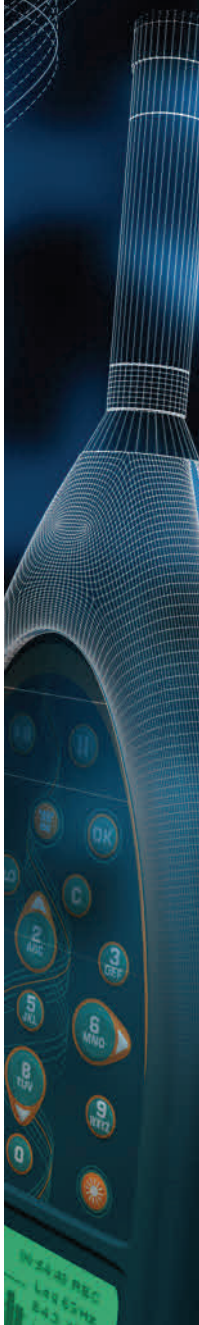
- Single Axis mode for simple set-up
- Re-chargeable Battery Pack & Charger
- Large Colour Display
- Large 'Flash' memory
- Rugged Accelerometer and Cable for industry
- Only 3 buttons for simple use

Applications

- Machinery condition to ISO 10816-1, 3 & 7
- Bearing condition indication
- Trending analysis (with optional VibdataPro)
- Environmental Vibration

What's Supplied with the Vexo (GA2006S)

- Vexo S Instrument, Accelerometer and 1m Cable
- Rechargeable Battery Pack and Recharger
- Removable Spike Probe
- Getting Started Laminated Sheet
- dBdata LITE software & USB Cable
- Carry Case for GA2006S and Accessories



Vexo (GA2006S) Specification

Instrument Standards:

GA2006S

BS ISO 10816-1 : 1995 + A1 : 2009
BS ISO 10816-3 : 2009
BS ISO 10816-7 : 2009

Level Ranges: GA2006S (Integration = Acceleration)

Range	m/s ²	g
Low	0.05 - 200.0	0.005 - 20.4
High	0.50 - 2000.0	0.50 - 204.0

Level Ranges: GA2006S (Integration = Velocity)

Range	mm/s
Low	0.25 - 250.00
High	2.50 - 2500.0

Level Ranges: GA2006S (Integration = Displacement)

Range	µm
Low	16.5 - 16500
High	165 - 165000

Measurement Channels:

One

Parameters:

Acceleration: Aeq, Amax, Peak, Crest Factor
Velocity: Veq, Vmax, Peak, Crest Factor
Displacement: Deq, Dmax, Peak to Peak, Crest Factor

Linear Operating range:

72 dB Acceleration, 60dB Velocity, Displacement

Frequency Weighting:

W_{FL}, W_{LP}, W_{HP}

W _{FL}	W _{LP}	W _{HP}
2Hz to 8kHz	2Hz to 1kHz	1kHz to 8kHz

Memory:

Flash memory storing up to 992 recordings

Transducer:

Castle KD1011, 10mV/g

Noise Floor:

<0.002 m/s² Low Range
<0.020 m/s² High Range

Display:

Full Colour Graphic OLED Display (160 x 128)

Batteries:

NiMH re-chargeable cell pack
Typically 10 hours continuous use

Connections:

Input: 3.5mm Stereo Jack Socket
Download: USB Micro B (Cable Supplied)
Recharge: DC Socket (Charger & Cable Supplied)

Environmental:

Temperature Operating Range: -10 to + 50°C
Humidity: Up to 90% RH Non Condensing

Electromagnetic Compatibility:

Designed in accordance with the following Electromagnetic Compatibility Directives: -

- SI 2005/281
- 2004/108/EC

Case:

High Impact ABS plastic with tactile membrane keypad

ORDERING INFORMATION

GA2006S* - Vexo S Vibration Meter

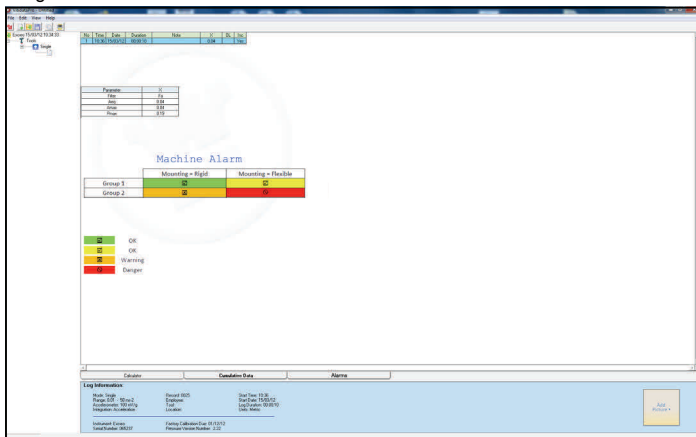
Accessories

PC009** - VibdataPro software
GA606 - Vibration Calibrator
KA021* - Carry Case
KD1011* - Single Axis Accelerometer 10mV/g
KD1202 - Mounting Studs (Pack of 5)
KD1203 - High Strength Mag Mount
KD1206* - Removable Spike Probe
KD1215 - Glue Studs & Glue (Pack of 5)
01VIBBATT* - 2.4V 2100mAh NiMH Battery Pack
01PSU5* - NiMH Battery Pack Recharger
01ZL1097-01* - Single Axis Accelerometer Cable 1m
01ZL1108-01* - USB Cable 1m

* supplied with the GA2006S

** upgrade from supplied Vibdata LITE

Image shows the software VibdataPro with machine condition indicators.





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.