



DWV Toolbox

PC-Based Data Acquisition

Channel	Enable	Dynamic Frequency (Hz)	Static Frequency (Hz)	Static Transistor (Hz)	Std Dev of Dyn-Freq (Hz)	Excursion Strength (Hz)	Actual Low-Freq (Hz)	Actual High-Freq (Hz)	Resonant Amplitude (Hz)	Low-Frequency Boundary (Hz)	High-Frequency Boundary (Hz)	Output Format	Settings
Channel 1	<input type="checkbox"/>	00	00	00	00	00	00	00	00	00	00	00	...
Channel 2	<input type="checkbox"/>	00	00	00	00	00	00	00	00	00	00	00	...
Channel 3	<input checked="" type="checkbox"/>	2527.275	2527.267	2154.877	0.009	1.059	296	6000	2.00	290	6000	AW	...
Channel 4	<input checked="" type="checkbox"/>	2550.515	2550.521	2199.272	0.006	1.059	296	6000	2.00	290	6000	AW	...
Channel 5	<input type="checkbox"/>	00	00	00	00	00	00	00	00	00	00	00	...
Channel 6	<input type="checkbox"/>	00	00	00	00	00	00	00	00	00	00	00	...
Channel 7	<input type="checkbox"/>	00	00	00	00	00	00	00	00	00	00	00	...
Channel 8	<input checked="" type="checkbox"/>	2502.272	2502.276	2053.204	0.009	0.000	296	6000	2.00	290	6000	AW	...

Device Name: GARD-VW305 Device Type: CDM-VW305
 COM Address: 4 COM Speed: Auto-Detect (recommended) Serial Number: 040-2
 Disconnect Can-Port: CDM-VW305 (COM2) DWV Toolbox Update Rate: 20 Hz

Flexible PC Data Acquisition and Process of Vibrating Wire Measurements

Designed for your high-fidelity measurements

Overview

DWV Toolbox is a scientific data collection, statistical analysis, and visual display/graphing software package with an intuitive interface. DWV Toolbox helps you quickly create and run tests using your Granite™ VWire 305 measurement modules directly from your PC. (To use DWV Toolbox, you do not need CRBasic

programming knowledge or a data logger.) After you have developed and reviewed your newly created test, DWV Toolbox can create the CRBasic program for use with your GRANITE™ based data-acquisition system (DAQ).

Benefits and Features

- Simple-to-use interface
- Easy, real-time data visualization
- Data storage to a text file
- Automatic CRBasic program creation
- Works with the Granite VWire 305, CDM-VW305, and CDM-VW300 modules
- Can be downloaded free of charge; see [Downloads section](#) or Download Now button on web page

Detailed Description

DWV Toolbox was designed expressly for use in the lab and in the field. This simple-to-use, easy-to-work-with software maintains the high-fidelity measurements you have come to expect from Campbell Scientific. In the event that you do need some assistance, help is available just by pressing the F1 key or from the Help drop-down box.

connection to a 10 to 32 Vdc power supply applied to the GRANITE and CDM-VW30X modules.

Note: DWV Toolbox only stores data to files in real time. It cannot be used to collect historical data files. To collect historical data files, a data-acquisition system (DAQ) with LoggerNet or RTDAQ software is required.

Communication

DWV Toolbox allows you to set up and collect data from the sensors connected to Campbell Scientific GRANITE and CDM-VW30X modules. DWV Toolbox requires a direct USB

Data Process and Display

DWV Toolbox collects and stores data in a raw text file on your PC. DWV Toolbox displays data in real time in graphical form.

Programming

DVW Toolbox includes a CRBasic program generator. Programs created with DVW Toolbox can be sent to the data-acquisition system using LoggerNet, RTDAQ, or Device Configuration Utility for any Campbell Scientific data loggers. Alternatively, the programs can be sent using the DBC file for CAN-based DAQ systems.

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Specifications

Current Version

1.3

Operating System

32-bit or 64-bit Windows 11 or 10

For comprehensive details, visit: www.campbellsci.com/dvw-toolbox 



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