
Daxus
Data Acquisition when
and where you need it
Astro-Med,Inc.
AstroNova™
Test & Measurement
Astro-Med.com/Daxus

You can record and transmit data anywhere with Daxus. It is a small yet powerful data acquisition device that can be used as a single stand-alone unit for troubleshooting and maintenance, stacked for high channel count jobs, or networked with multiple units located throughout your facility for synchronized data recording in distributed networking applications.

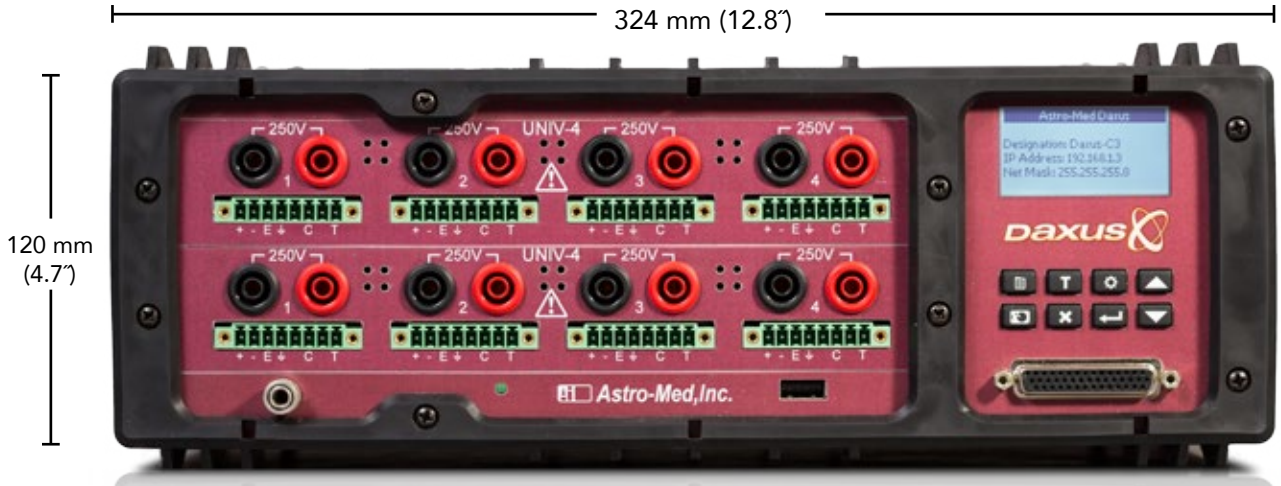
Daxus captures, handles, and stores all data locally. You can record just a few signals or hundreds of parameters essential to maintaining efficient operations in any industry. Standing at just 120 mm tall x 324 mm wide (4.7″ x 12.8″) and weighing just 3.2 kg. (7 lbs.), the Daxus is compact and tough enough for any environment.

USE IN ANY CONFIGURATION:

Mobile App. Daxus is all about mobility. When you are away from your system, you can view real-time, scrolling waveform data of your ongoing data acquisition on your smartphone or tablet via the Daxus mobile app. You can also receive alerts and review recent captures for quick, on-the-spot troubleshooting.

You can view real-time, scrolling waveform data of your ongoing data acquisition on your smartphone or tablet via the Daxus mobile app.

Networked. Multiple Daxus units can be used throughout your operation. In networked applications, an unlimited number of Daxus units can be controlled and monitored from a central workstation or multiple PCs on the network. You can communicate with the Daxus units wirelessly or through the Gigabit Ethernet interface. Daxus captures, handles, and stores all data locally, so network bandwidth has no impact on sample rates.



Daxus configured to measure 8 channels of any combination of "Universal" signals: Voltage (250 VRMS or DC), Thermocouple, DC Bridge, RTD or IEPE Accelerometer signals.

Recording and displaying Single-Ended Voltage, Differential Voltage, Thermocouple temperatures and Events from multiple networked Daxus units.

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Stand-Alone. When used as a standalone device, simply configure your Daxus on a PC using the included software, then disconnect the PC and let the Daxus collect data. Or, you can load your Daxus setup files onto a USB thumb drive and upload them directly to the Daxus for storage. Daxus features a front panel display with dedicated control buttons for loading setup files, starting or stopping data captures and triggering. You can stack multiple Daxus units to achieve higher channel counts as needed.

Connect Daxus to record your signals

Observe in real-time at your PC

Or observe in real-time on your tablet while you're on the go

PC SOFTWARE

>> You can stack multiple Daxus units with any mix of module types to achieve higher channel counts as needed

Your Daxus can be used either with or without a PC. For PC-based applications, the powerful Daxus software provides intuitive drop-down menus and a customizable control panel to set up one-touch controls for your convenience. Available functions include: loading and saving setup files, amplifier settings, data capture and triggering parameters, cursor measurements and review and analysis functions.

In **Real Time** operation, Daxus signals can be viewed on a PC in a scrolling waveform style. For those who need a **Scope** presentation, Daxus provides a DSO-style display that is useful for viewing high speed signals in detail or where a stationary waveform view is preferred. The **Review** capability is designed to bring up previously captured data for analysis including expansion, compression, search features, measurements and much more.

Daxus software also includes an advanced **Derived Channel** feature that enables real time mathematics on the fly. Pass your data through an equation that you create and you can see calculated values now, not after the fact. Derived channels can be developed based on data from any of the active channels and are displayed as additional channels. Math functions include: +, -, x, ÷, Square Root, Exponential, Sin, Cos, Tan, Absolute Value, Integration and Differentiation.

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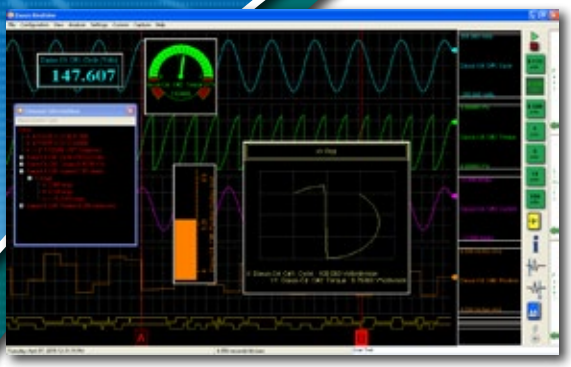
Derived channels can be developed based on data from any of the active channels

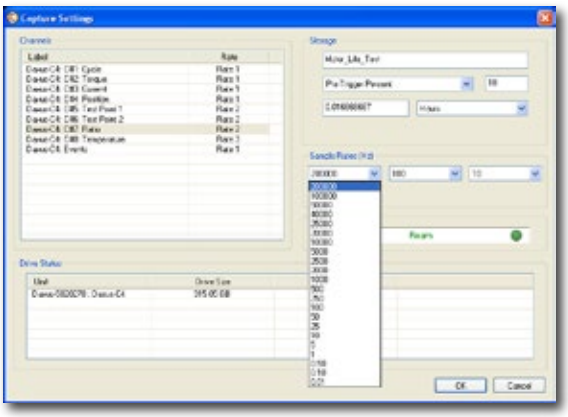


Customize your data viewing with waveforms, meters, cursor measurements or analysis windows.

Any channel can be set up to display the **Engineering Units** of your choice with linear scaling. This allows data to be viewed in familiar terms such as Amps, PSI, RPM, Ft-lbs., etc.

A built-in **Meter Package** gives you the ability to display screen data in an easy to read visual format. Choose from various meter formats including gage, numeric, horizontal or vertical bar, needle and LED readouts. They can be sized and placed anywhere on the screen for a truly custom look and feel.

Easy-to-use Cursors allow immediate measurements with functions such as: Time, Sample Point, Average, Min/Max & Peak-Peak Slope, RMS, Sum, Sum of Squares, Variance, Standard Deviation and Area.



Powerful data capture includes multiple sample rates, advanced triggering and automation.

RECORDING CAPACITY

Each Daxus has loads of data recording capacity with a standard 500GB SATA drive or an optional Solid State Drive for more demanding environments. Intelligent Data Capture features include pre/post triggering, logical and/or triggers, multiple sample rates and data capture automation for repetitive testing. A battery backup ensures no loss of data in the event of a power disruption.

Review and analyze your data and even add notes or highlights post-capture!

OPTIONAL INTERFACES

Interfaces include CAN Bus for automotive testing, IRIG time codes for aerospace applications and GPS time and location stamping for transportation or other applications.

Daxus records data in virtually any industry or environment

Automotive testing | Laboratory testing | Systems monitoring

To get the complete Daxus brochure including specifications and accessories,

PLEASE GIVE US A CALL AT 877-867-9783 OR CLICK HERE.