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DASH 16U



The Ultimate High-Speed Recorder

- **16 universal input channels**
- **Sample rates to 200 kHz per channel**
- **10.4" display for real-time signals and post-capture data review**
- **20 kHz frequency response**
- **Rugged, portable system**

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Download information sheet

View detailed specifications

If you are looking for a recording system that combines with features of a high speed oscilloscope, a real-time chart recorder and a data acquisition system, look no further than the Dash 16u. With sixteen channels of isolated inputs sampled at 200 kHz per channel, the Dash 16u can handle all of your recording needs. View data on a color display, print data in traditional strip chart format, capture data to memory or export data to PC - the Dash 16u is the tool for you. And best of all, everything is contained in a compact rugged case that will go anywhere with you.

Versatile Enough for Any Application

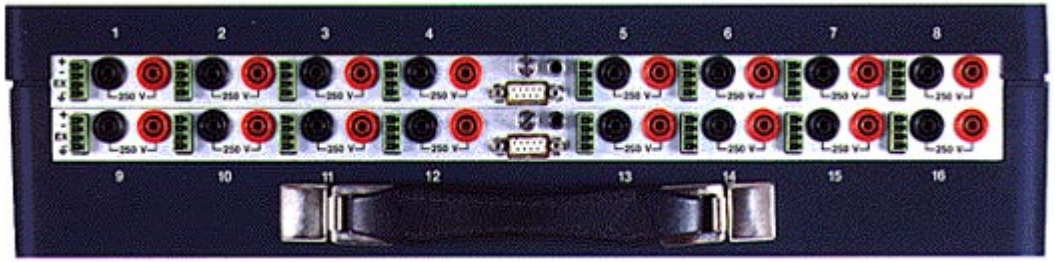
With its compact design and 12V power supply, the Dash 16u is ideal for in-vehicle applications such as engine diagnostics and electrical system troubleshooting. The high channel count of the Dash 16u also makes it ideal for emissions testing while the high frequency response makes it useful for noise, shock and vibration testing.

For process monitoring, weld test monitoring and other industrial applications, the high channel count and universal inputs make the Dash 16u the perfect portable maintenance instrument.

The isolated inputs of the Dash 16u make it the recorder of choice for glitch detection and the analysis of harmonics in power applications. From the laboratory to the field the Dash 16u is the recorder of choice.

Universal Inputs

The Dash 16u inputs are truly universal, letting you connect almost any signal without external conditioning. Imaging being able to monitor voltage, pressure, strain and temperature - all connected directly into the Dash 16u. And each channel is electronically isolated from other channels and ground, eliminating crosstalk and other problems associated with non-isolated inputs.



20 kHz Frequency Response

Have you ever connected your signals to a recorder, only to find out after it's to late that the recorder is not fast enough to capture your data? You'll never have to worry again with the Dash 16u. With each channel sampled at 200 kHz in real-time and a separate A/D converter for each channel, the Dash 16u is guaranteed to capture critical data.

High Resolution Chart

With all of the other features of the Dash 16u, it's easy to forget the most important feature - the chart. The Dash 16u has a 300 dpi print engine and an 8.5-inch chart width, providing crisp, accurate chart recordings at all chart speeds. The Dash 16u gives you immediate access to your data in the most convenient format available - paper!



Big, Bright Monitor

Ever wonder why you have to run chart paper out of your recorder to see your data in realtime? With the Dash 16u and its bright, color display, this is a thing of the past. The Dash 16u lets you view signals in realtime on a large, 10.4-inch display. During setup and recording, the Dash16u display lets you view data instantaneously.

With the Dash 16u display, you can place cursors right on your waveforms for amplitude and timing measurements. Whether you need a single measurement in time, or need to determine the maximum and minimum values in a specific period of time, the Dash 16u makes it easy.

High Speed Transient Capture

The Dash 16u has 16 Mbytes of high speed memory for capturing data, making it the ideal troubleshooting tool for capturing glitches, spikes and other anomalies. With sample rates from 0.2 to 200,000 samples per second, the Dash 16u is versatile enough for glitch capture as well as long-term trend capture.

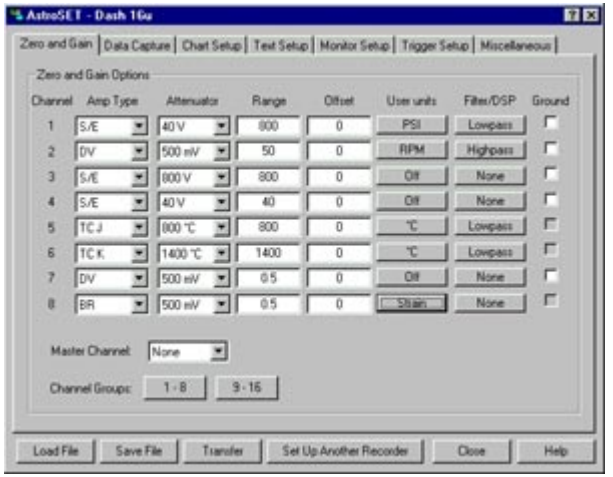
Review and Playback

Once data has been saved to internal memory, the Dash 16u has a wide variety of review and playback utilities to give you the data you need in the format that you want. For a quick look, simply preview data on the screen and use cursors for zooming and measurements. For even more detail, the Dash 16u lets you perform a print screen or a traditional playback to paper, all at the touch of a button.

Transfer to PC

With the Dash 16u, transferring data to your PC has never been easier. A built-in Ethernet interface allows data to be uploaded directly. For added convenience, the Dash 16u has built-in ZIP drive for data transfer. Our PC-based AstroVIEW software will display your data on a PC and convert it to popular data analysis and spreadsheet programs.

Offline setup - On your PC!



Are you more comfortable in a PC environment? If you are, then you will truly appreciate our Windows-based AstroSET offline setup program.

With AstroSET, all Dash 16u setup is done on your PC, with the familiar Windows graphical interface. You can set analog gains, chart speeds, capture settings - virtually every recorder setup that you want. When your setup is complete, simply download it to the Dash 16u via the Ethernet interface.

For remote applications, copy your setup to ZIP disk and load it in the Dash 16u in the field - it's that easy!

Portable and Rugged - Our Trademark

The Dash 16u is the latest in a long line of tough, portable recorders from Astro-Med. With its rugged, cast aluminum case and sturdy construction, the Dash 16u is rugged enough for any environment. And weighing just 25 pounds, it's light enough to travel anywhere with you.

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