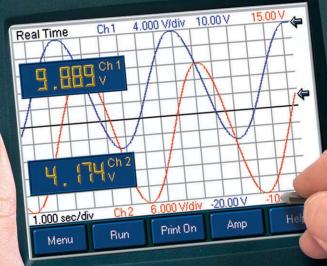


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Astro-Med, Inc TEST & MEASUREMENT PRODUCT GROUP



- Compact hand-held design
- 5.7" color touch-screen
- Record two channels at sample rates up to 10 kHz per channel
- Built in 3" chart recorder

THE DASH 2EZ Measurement has never been this easy

The Dash 2EZ is the latest innovation in hand-held data recording. With a built-in 5.7 inch color display for waveform viewing, compact flash for capturing data, and a built-in chart recorder for recording real-time or captured data, the Dash 2EZ is the ideal hand-held troubleshooting and maintenance tool. It's portable design and rugged high impact polycarbonate case ensure it will survive even the harshest environments. Ideal for paper mills, chemical plants, steel mills, and power plants, the Dash 2EZ is ready to go wherever you go. Its intuitive touchscreen interface makes it so easy to use, we call it the Dash 2EZ!



REAL-TIME WAVEFORM DISPLAY

The Dash 2EZ has a 5.7 inch color touchscreen display for viewing waveforms in real-time. This high resolution display provides remarkable clarity, and is fully customizable, allowing channels to be viewed side-by-side or overlapped for measuring phase relationships. A numeric datalogger function provides a numeric readout of your data simultaneously with waveform data.

The Dash 2EZ lets you review captured data right on the screen, giving you immediate access to critical information. On-screen cursors provide quick and accurate information, eliminating the need to approximate measurements. Data capture review also lets you expand or compress captured data so you can see the data in any timebase you require.

The touch-screen display and menu driven operator interface make setting up your Dash 2EZ a snap. With the intuitive user interface, you'll be up and running in no time.

CAPTURE DATA DIRECTLY TO COMPACT FLASH

The Dash 2EZ saves data directly to off-the-shelf Compact Flash memory cards at sample rates of up to 10 kHz per channel. It comes standard with a 32 Mbyte CF card for a complete, out-of-the-box solution. The Dash 2EZ accepts any off-the-shelf CF card, increasing your data capture capacity to 1 Gyte or more!

The Dash 2EZ lets you capture data to memory based on triggers, so you only capture the data you want. Trigger selection includes a manual trigger for one button captures and fully customizable waveform triggers with logical AND/OR combinations.

Once data is captured to memory, you can review it on the Dash 2 EZ's color display. For more advanced analysis, simply remove the CF memory card from the Dash 2EZ to import your data to any PC with an inexpensive CF card reader.

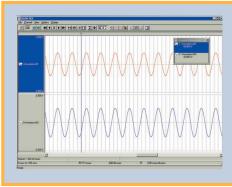


REAL-TIME STRIP CHART

The Dash 2EZ has an integral 3 inch thermal printer for printing real-time and captured data. This high resolution printer provides the highest quality strip chart printouts of any hand-held system available. The Dash 2EZ prints the time and data, chart speed, time scale and scaling information on your chart, giving you an immediate hard copy record of your data. Grids are printed with waveform data, effectively eliminating paper skew.

ISOLATED INPUT MODULES

The Dash 2EZ accommodates two types of isolated signal modules. An isolated high voltage module accepts inputs up to 250 VRMS – perfect for power monitoring applications. An isolated DC bridge input module is ideal for connecting to most sensors, strain gages and transducers. Choose 2 Voltage, 2 DC Bridge, or one of each. Built-in digital signal processing for each channel allows you to program lowpass, highpass, notch or RMS filters.(Shown above with one isolated voltage module and one bridge module.)



ASTROVIEW PC-BASED REVIEW SOFTWARE

The Dash 2EZ includes AstroVIEW X shareware software for your computer. This PC-based analysis software allows you to view captured data on your screen, and includes zoom, FFT and filtering capability. AstroVIEW X also easily converts captured data into ASCII, Excel, MathCAD, DADISP and other popular formats for further analysis.

"GO ANYWHERE" SYSTEM

The Dash 2EZ's rugged, hand-held design assures it can handle any environment or application you give it, including:

- Paper mill maintenance
- Power monitoring
- Shock and vibration testing
- Metal mill maintenance
- DC drive monitoring
- Non-destructive testing

DASH 2EZ • DASH 2EZ • DASH 2EZ • DASH 2EZ • DASH 2EZ

SPECIFICATIONS

Color Display Туре Viewing Area Resolution Touch Signal Modules Maximum Modules Maximum Waveforms A/D Resolution A/D Sample Rate Filters User Engineering Units Data Acquisition Recording **Recording Medium** Maximum Sample Rate Minimum Sample Rate **Total Capacity** 1GB) Maximum Record Size Trigger Trigger types waveform External trigger Waveform triggers Logic Chart Recording Paper Width Resolution Max Chart Speed Chart Speed Accuracy Grid Width Power Input Voltage Range Wall Power Supply **Power Consumption Battery Power Battery Type Battery Life** Compliance Safety EMC Physical Enclosure Dimensions Weight

TFT LCD 5.7 inches (diagonal) 320x240 (QVGA) Full screen, resistive

2 2 12 bit 10 kHz per channel Lowpass, notch, RMS

Yes

Compact Flash (CF) card 10,000 samples/second per channel 1 sample/minute Determined by CF card (typically 64MB to

Determined by CF card

Manual, external, periodic, date/time,

Mini phone plug, TTL (active low) Level, window AND, OR

3-inches 200 dpi 15 mm/s +/-2% One 50 mm or two 25 mm grids

9-28 V DC 120/240 V, 50/60 Hz 35 Watts max

Lithium Ion (rechargeable) >1 hour (with no chart recording)

EN 61010-1, UL 61010A-1, C22.2 No. 1010.1-92 FCC Part 15, Subpart B, Class A, EN 61326

ABS plastic 10.5" L x 8.5" W x 2.8" H 4.5 lbs Environmental Operating Temp Operating Humidity Optional Input Modules Isolated Voltage Module Type Connector Frequency Response Max Rated Input Max Transient Input Isolation Input Impedance Input Coupling Specified Ranges

Zero Suppression

Differential Voltage / Bridge ModuleTypeIsolated,ConnectorScrew teFrequency ResponseDC to 2.Excitation VoltageUp to 10Max Input210 mVCommon Mode Voltage10 VIsolation250 VrmInput Impedance1 MegorInput CouplingDCSpecified Ranges1 to 300AccuracyWith zer

ALC: THE

Excitation Voltage Zero Suppression IMR at 60 Hz

Auto Balance

Isolated Guarded banana jacks (red/black) DC to 3.5 kHz 250 Vrms +/-700 V (not to exeed 250 Vrms) 250 Vrms 1 Megohm DC 50 mV to 17000 mV (mV scale) 5 V to 250 V (V scale) All ranges with zero center: +/-0.25% of span With offset: mV scale: +/-0.25% of span +/-2 mV V scale: +/-0.25% of span +/-125 mV +/-5 V (mV scale) +/-200 V (V scale) Isolated, differential Screw terminal (removable) DC to 2.5 kHz Up to 10 V 210 mV 10 V 250 Vrms or DC, Cat II 1 Megohm DC 1 to 300 mV With zero center: 1 mV span: +/-0.5% of span 2 mV to 300 mV span: +/-0.25% of span With offset:

0 to 40°C (32 to 104°F)

10% to 90% non condensing

1 mV span: +/-0.5% of span +/-0.05 mV 2 mV to 300 mV span: +/-0.25% of span +/-0.05 mV Up to 10 V @ 30 mA +/-80 mV (spans <260 mV) +/-60 mV (spans >260 mV) >100 dB Up to 10 mV

OTHER PRODUCTS AVAILABLE FROM ASTRO-MED, INC.



Dash 18: Features 18 channels of universal inputs, data acquisition to internal hard drive at 100 kHz sample rate per channel.



Everest: Features up to 32 channels of analog or digital recording, 18.1 inch color touch-screen display, integral 16.3 inch chart recorder.



Dash 8Xe: Features 8 channels of modular inputs, data acquisition to internal hard drive at 200 kHz sample rate per channel.

🖽 [®] Astro-Med, Inc

TEST & MEASUREMENT PRODUCT GROUP

World Headquarters

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Astro-Med is system certified to ISO9001.