AstroNova™
Test & Measurement

TEST & MEASUREMENT PRODUCTS

AstroNova is a world leader in the data acquisition and recording market and has been developing and manufacturing recording systems since 1971. The AstroNova Test & Measurement Product Group designs and manufactures data acquisition instruments and supplies for the aerospace, automotive, transportation, defense, medical, metal mill, pulp and paper mill, power, and general industrial markets. By building a strong legacy with our high quality, U.S. made products; our customers have come to rely on us for their data recording needs.

DAXUS® | Distributed Networking

The small, portable and powerful data acquisition system for 8-32 channels with an internal 500GB hard drive. Daxus is a standalone design, with no PC required, that allows multiple units to be stacked or networked to multiply the number of channels recorded simultaneously. The Daxus can record and distribute data from different locations in perfect synchronization. With the Daxus mobile app, data can be accessed, reviewed and analyzed from anywhere in world.

- Up to 32 Channels per unit
- 200k samples/second/channel
- 500GB internal hard drive (SSD optional)
- Wireless Connectivity
- Real time data capture via phone or tablet app
- Combine with DDX100 SmartCorder for higher channel counts

DDX100 SmartCorder® | Portable Data Recording

DDX100 SmartCorder brings data acquisition to the next level with a combination of convenience and power in a portable, lightweight, compact system. It's ideal for on-the-spot troubleshooting and trending data to quickly diagnose problems. Record only the critical data you want with the intelligent triggering to identify intermittent high speed glitches that cause interruptions and delays. Immediate analysis will save resources and eliminate expensive down time.

- Portable All-In-One Box under 19 lbs
- 500 GB Hard Drive Standard (SSDs optional)
- 8-32 Channels – Signal Input Board Dependent
- Choice of Three Different Capture Rates per Record
- Sample Rates to 200 KHz/channel with Individual ADs per Channel
- Inputs for High & Low Voltage, Thermocouple and Sensors

TMX® | DAQ Power Performer

The TMX gives you the ability to design the perfect system for extensive data acquisition, with high-speed, powerful performance. With the ability to customize and integrate numerous input modules, you can build the TMX to be the perfect data acquisition solution.

- Expandable up to 96 channels
- 17" LCD high-resolution touch-screen display
- Dedicated 1 TByte removable data capture hard drive (SSDs optional)
- 800 kHz sample rate per channel
- 100 kHz bandwidth (module dependent)
- Multiple sample rates per capture
- Derived math channels
- Synchronized video (optional)
- IRIG with GPS (optional)
- Portable or rackmount

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TMX®-18 | 18 Channel Powerful DAQ

The TMX-18 features a high resolution, 17" touchscreen display, as well as pre-defined set up options, making test setup a breeze. Each channel in TMX-18 uses an individual 16 bit A/D for perfect data synchronization of analog, audio, video and data bus inputs.
- 18 channels of isolated voltage (250 Vrms) & DC Bridge Inputs

- 17" LCD high-resolution touchscreen display
- Dedicated 1 TByte removable data capture hard drive (SSDs optional)
- 800 kHz sample rate per channel
- 100 kHz bandwidth (module dependent)
- Multiple sample rates
- Accepts all optional TMX accessories

TMX®-R | Rackmount High Speed DAQ

The TMX-R is a rackmount version of the TMX data acquisition recorder with the same features and capabilities. The TMX-R is configured for installation in a standard nineteen-inch rack, and includes six module slots.
- Expandable up to 96 channels
- 17" LCD high-resolution touchscreen display

- Dedicated 1 TByte removable data capture hard drive
- From 400 to 800 kHz sample rate per channel
- 100 kHz bandwidth (module dependent)
- Multiple sample rates
- Derived math channels
- Synchronized video (optional)
- IRIG with GPS (optional)

Real-Chart NP | Network Chart Paper Printer

The Real-Chart NP has an integral Ethernet port to print up to 32 waveform channels in real-time directly from your network. With a chart width of 16.3 inches, you can comfortably print anywhere from one to 32 channels.
- Accepts digital input signals and host control commands through Ethernet

- Adds wide format printing to any TMX and TMX-R
- 300 dpi resolution
- Real-time or post processing print capability
- Discrete, overlap, or custom grid formats

VDiS | Visual Display Software

Designed for Real-Time data viewing on a PC, VDiS displays up to 32 waveforms in fully customizable formats. Developed for telemetry and other applications to replace printed charts, VDiS requires software programming to process digital signals for display. Data can be stored and reviewed for post analysis.

- Discrete, overlap or customer grid formats
- Numeric data logger and X-Y plots
- Display speeds up to 100 mm/sec.
- Lookback allows real-time review of previously recorded data while continuing to record data

EVX | Chart Recording System

The EVX integrates the TMX-R and Real-Chart NP into one system for chart printing applications. Specifications are the same as for the TMX-R and Real-Chart NP above. Choose from a wide variety of TMX-R signal input modules to complete this system.