

DATA ACQUISITION SYSTEMS



Since 1969, AstroNova Test & Measurement has been a pioneer in the data acquisition industry. Through the years, we have developed a reputation for our accurate turnkey products and unrivaled technical support engineers, known for providing expert support whenever it is needed. By building a strong legacy with our high quality, U.S. made products; our customers have come to rely on us for all their data recording needs.

DAXUS® DXS-100

Distributed or Stand-Alone Data Acquisition

DXS-100 is a versatile data acquisition platform for local or distributed measurements. Units can be connected directly to a host PC, operate as stand-alone high-speed data loggers, or deployed as part of a distributed measurement system spanning large distances. Its small size and rugged packaging make it ideal for use in the lab, field, or production environment.

- Stand-alone or networked operation
- 200 KS/s per channel max sample rate
- Up to 32 channels per unit and 480 channels networked
- On-board signal processing reduces post processing with no latency
- Acquire 8 power quality measurements with a pair of voltage and current inputs
- GPS, IRIG, NTP synchronization
- Rechargeable battery operation
- 500 GB standard or up to 1.6 TB solid state drive
- Rackmount kit available



SMARTCORDER® DDX-100

Compact, Lightweight & Intelligent Data Acquisition

The successor to the Dash 8 series, the DDX-100 is AstroNova's lightest and most portable all-in-one data acquisition solution. The DDX-100 includes everything needed to acquire, analyze, and store data. For higher channel count applications, it can be combined with Daxus systems to record hundreds of channels of synchronized data.

- 200 KS/s per channel max sample rate
- 8 to 32 channels, expandable to 480 with Daxus
- On-board signal processing reduces post processing with no latency
- GPS, IRIG, NTP synchronization
- Acquire 8 power quality measurements with a pair of voltage and current inputs
- AC or rechargeable battery operation
- Automate common tasks with Python or LabVIEW
- 500 GB standard or optional 1.6TB solid state drive



TMX®

Full Featured, Easy to Use, All-in-One Data Acquisition

The TMX is an all-in-one, out of the box DAQ solution designed to acquire, visualize and analyze data. Tested to MIL-STD-810F standards, it will withstand the rigors of field testing, production environments and lab work. With its user-friendly software, the TMX has proven itself year after year, becoming a trusted and reliable solution for critical industry-leading applications around the world.

- 800 KS/s per channel max sample rate
- 50 MS/s with optional scope card
- Up to 96 channels
- Video inputs synchronized with analog and digital data
- GPS, IRIG, NTP synchronization
- Automate common tasks with Python or LabVIEW
- Available 18-ch TMX with 3 universal isolated voltage modules (TMX-18) and rack mount version (TMX-R)
- Enhanced security via Windows 10



EVEREST® EV-5000

Mission-Critical Data Acquisition

The EV-5000 is ideal for mission-critical data acquisition applications where digital storage and paper printouts are required. Accepting analog inputs, the EV-5000 is engineered to be a direct replacement for the field-proven Everest® series of chart recorders; retaining its best features and allowing for greater accuracy, faster data acquisition rates and increased data storage capacity.

- 19" touch-screen display
- High capacity hard drive
- IRIG or GPS inputs
- Print on standard 16.3" (414 mm) Z-fold chart paper at speeds up to 200 mm/s
- 8 single-ended isolated or 16 differential analog inputs
- Easily installs in industry standard 19" racks
- Enhanced security via Windows 10



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, the Real-Chart NP 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
- Print on standard 16.3" (414 mm) Z-fold chart paper
- Print up to 32 waveforms
- Patented 300 dpi thermal printheads provide the clearest strip charts available
- Produce grids, waveforms and timing marks
- Rackmount and bench top models available



VDiS

Visual Display Software

Developed for telemetry and other applications to replace printed charts, VDiS transforms your PC into a virtual strip chart. VDiS provides data logging and real-time viewing of up to 32 waveforms with an interface customized for your specific application. VDiS can also be used alongside the Real-Chart NP to print real-time or previously acquired data.

- View data in strip chart format, numeric displays, or X-Y plots
- Ideal for Telemetry and other real-time applications
- Compatible with 3rd party telemetry systems
- Display speeds up to 100 mm/sec
- View in discrete, overlap or custom grid formats
- Lookback feature allows for real-time review while continuing to record data

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