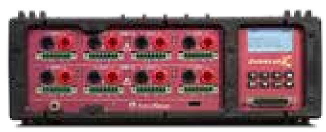
AstroNova Data Acquisition Systems Comparison Chart



	DXS-100 Daxus	DDX-100 SmartCorder	TMX
Operation	Standalone, connected to a PC, or distributed	All-in-one	All-in-one
Display	External PC	Built-in 15″ touch panel	Built-in 17″ touch panel
Maximum Sample Rate	200 kS/s/ch	200 kS/s/ch	800 kS/s/ch and 50 MS/s/ch with optional 2-ch scope card
Input module slots	2	2	3 (6 with TMX-E or TMX-R)
Max. Channels	48 per system, up to 480 networked	48 per system, up to 480 with DXS-100	Up to 96 with TMX-E or TMX-R
Dimensions	12.8″ W x 7″ D x 4.7″ H (324mm W x 180 mm D x 120mm H)	11.8″ H x 14.4″ W x 6.6″ D (300mm H x 366mm W x 168mm D)	14.5″ H x 19″ W x 7.5″ D (368 mm H x 48.3 W x 19.1cm D)
Weight	7 lbs (3.2kg)	18.5 lbs (8.4 kg) with 2 modules	37 lbs (15.8 kg) with 3 modules
Input Power	14-24 VDC or 100-240 VAC with included adapter, 12-72 VDC with optional adapter	100-264 VAC	100-264 VAC or 24 VDC
Internal Storage	500 GB hard drive standard, up to 1.6 TB SSD (optional)	500 GB hard drive standard, up to 1.6 TB SSD (optional)	1 TB capture drive standard, up to 1.6 TB SSD (optional)
Connectivity	Ethernet USB (for WiFi or transferring data and setups) Optional WiFi adapter Optional GPS and CAN inputs	Ethernet USB 3.0 Optional WiFi adapter Optional GPS and CAN inputs	Ethernet USB 3.0 (4) VGA (for external monitor) Optional Video Capture Optional CAN inputs
Input module types	Universal inputs (isolated) High Voltage (isolated) Voltage (non-isolated) Power (isolated) Strain and bridge (isolated) RTD & resistance (isolated) Thermocouple (isolated) Events (digital input) ICP & piezoelectric (isolated) Digital IO, relay, & counter	Universal inputs (isolated) High Voltage (isolated) Voltage (non-isolated) Power (isolated) Strain and bridge (isolated) RTD & resistance (isolated) Thermocouple (isolated) Events (digital input) ICP & piezoelectric (isolated) Digital IO, relay, & counter	Universal inputs (isolated) High Voltage (isolated) Voltage (non-isolated) Power (isolated) Strain and bridge (isolated) RTD & resistance (isolated) Thermocouple (isolated) Events (digital input) ICP & piezoelectric (isolated) Digital IO, relay, & counter
Typical applications	Distributed applications Condition monitoring Test cells	Field Test and Troubleshooting Maintenance Power Monitoring	R&D Verification and Validation Troubleshooting and repair