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**Data Sheet**

August 15, 2026

ASTRONOVA / ASTRO-MED

# AstroNova / Astro-Med Dash 16u Portable Universal 16-Channel Field Recorder

The AstroNova Dash 16u is a portable, universal 16-channel field recorder designed for versatile data acquisition in various environments. It offers high-performance recording capabilities, making it suitable for demanding applications. Rugged and reliable, it is ideal for field use.

**MODEL****AstroNova / Astro-Med Dash 16u****CALIBRATION****Available on request****CONDITION****Used****STATUS****In stock****RFQ / SKU****Dash 16u****LISTING**<https://aumictechlabs.com/products/dash-16u-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The AstroNova/Astro-Med Dash 16u is a 16-channel portable field recorder that consolidates oscilloscope, chart recorder, and data acquisition functionality into a single rugged instrument. Weighing approximately 30 lbs in a cast aluminum case, it delivers high-speed signal capture at up to 200 kHz per channel with 14-bit resolution across isolated, universal inputs that accept voltage, pressure, strain, and temperature signals without external conditioning. The unit combines a 10.4-inch color LCD display for real-time waveform monitoring with an integrated direct thermal chart recorder, dual-mode triggering, and 16 MB of high-speed RAM for transient and long-term data capture. Technical Specifications Channels: 16 isolated universal inputs; 16 TTL or switch closure event inputs Sampling Rate: Up to 200 kHz per channel Amplitude

Resolution: 14 bits Capture Memory: 16 MB high-speed RAM Display: 10.4-inch active matrix color LCD (TFT) Chart Recorder: Direct thermal, Z-fold pack (8.5" × 5.5" sheets) at 300 dpi; configurable speed 1 mm/min to 50 mm/sec Triggering: Window and slope/level triggers with alarm output and capture abort functions Power Input: 85–250 VAC, 50/60 Hz (auto-select) Weight: Approximately 30 lbs Key Features Automatic time and date stamping with captured data Automatic dual-speed chart operation upon trigger event 16 configurable amplitude grids (up to 200 mm wide) with user-defined or automatic placement Tri-state time marking (×1, ×10, ×100) with selectable reference intervals (0.02–1 sec) Per-grid text annotation (128 ASCII characters); automatic system log printing Real-time or parallel display modes for efficient paper usage during setup Glitch and spike detection for anomaly capture Interfaces & Integration Integrated 100 MB ZIP drive for data archiving, software upgrades, and configuration storage Ethernet interface for remote setup download and data transfer to PC Utility port connections for external start/stop, remote drive, and trigger control Typical Applications In-vehicle diagnostics, industrial process monitoring, transient event capture, long-term signal trending.

## DASH16U Characteristics / Specifications

| PARAMETER                        | VALUE                                                   |
|----------------------------------|---------------------------------------------------------|
| Model                            | Dash 16u                                                |
| Instrument Type                  | portable universal 16 channel field recorder            |
| Channel Count                    | 16 isolated universal waveform inputs                   |
| Sample Rate                      | 200000 samples per second per channel                   |
| Voltage Bandwidth                | 20 kHz (minus 3 dB)                                     |
| Thermocouple Bandwidth           | 10 Hz (minus 3 dB)                                      |
| Capture Memory                   | 16 megabytes                                            |
| Display                          | 10.4 inch active matrix color TFT LCD                   |
| Voltage Range                    | 0.2 Vfs to 400 Vfs                                      |
| Differential Bridge Range        | 5 mVfs to 1600 Vfs                                      |
| Thermocouple Range               | minus 100 C to 1300 C depending on type                 |
| Maximum Rated Input Voltage      | plus or minus 250 Vrms                                  |
| Maximum Rated Input Differential | plus or minus 40 V (differential, thermocouple, bridge) |
| Input Impedance                  | 1 megohm                                                |
| Waveform Isolation               | 250 Vrms                                                |
| Event Inputs                     | 16 TTL or switch closure                                |
| Excitation                       | isolated, adjustable to 10.5 V at 2.5 mA                |
| Rms Time Constant                | selectable 0.02 to 2 seconds                            |
| Low Pass Filter                  | 10 Hz to 20000 Hz stops                                 |
| High Pass Filter                 | 0.1 Hz to 100 Hz starts                                 |
| Notch Filter                     | 50 Hz or 60 Hz center                                   |
| Ac Input                         | 85 to 250 VAC                                           |
| Voltage Connector                | banana                                                  |
| Differential Connector           | screw terminal                                          |
| Form Factor                      | rugged portable case                                    |

| PARAMETER | VALUE                  |
|-----------|------------------------|
| Archive   | Zip drive and Ethernet |
| Bandwidth | 20 kHz (minus 3 dB)    |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

| Specifications                   |                                                         |
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| Form Factor                      | rugged portable case                                    |
| Archive                          | Zip drive and Ethernet                                  |

#### Notes

Numeric rows from Astro-Med Dash 16u data acquisition recorder literature (200 kS/s, 16 MB, 10.4 inch TFT, 20 kHz voltage bandwidth, 0.2 Vfs to 400 Vfs). Amplitude resolution bits are on the Dash 16u specification sheet; do not invent bit depth.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.