



Granite9

MEETING YOUR TOP TESTING PRIORITIES

Measurement and Control Data-Acquisition System

The GRANITE™9 and GRANITE™10 are the most computationally powerful data-acquisition devices from MUNRO. As an all-digital measurement and control DAQ, the GRANITE 9 is designed as the core of the data acquisition network, integrating with all GRANITE measurement modules, including the VOLT 108, VOLT 116, TEMP 120, VVIRE 305, and CH400.

Detailed Description:

The GRANITE 9 enables you to perform the following:

- Standard measurement functions
- Advanced math and processing functions
- Control functions.



Benefits and Features:

- Traditional network connections via Ethernet port
- EPI port switch for high-speed connection to all GRANITE™ measurement modules
- Onboard storage of streaming data with 2 GB of DDR3 SDRAM & a 64 GB solid-state hard drive (SSD)
- Built-in GPS for network synchronization.

A complete GRANITE system installation may include the following components:

- GRANITE Chassis • GRANITE 9 • CH400
- Power source (mains or solar) Software.

Technical Specifications

Note	Additional specifications are listed
Power Requirements	9.6 to 32 Vdc (voltage input)
Real-Time Clock Accuracy	±3 min. per year
Operating Temperature Range	<ul style="list-style-type: none"> • Non-condensing environment • -55° to +85°C (extended) • -40° to +70°C (standard)
Case Material	Stainless steel 304 and aluminum 6061
Communications Ports	Ethernet, USB Micro B, USB host, CS I/O, 0 to 5 V serial, SDI-12, RS-485 RS-422, CPI/RS-232, EPI
Data Storage Ports	microSD, USB host
Digital I/O	8 terminals (C1 to C8) configurable for digital input and output. Terminals are configurable in pairs for 5 V or 3.3 V logic for some functions.
Data Storage	<ul style="list-style-type: none"> • 4 MB SRAM + 128 MB NOR flash (Storage expansion of up to 16 GB with removable microSD flash memory card.) • 64 GB SSD
Dimensions	21.4 x 12.0 x 5.0 cm (8.4 x 4.7 x 2.0 in.) Additional clearance required for cables and leads.
Weight	1.0 kg (2.2 lb)