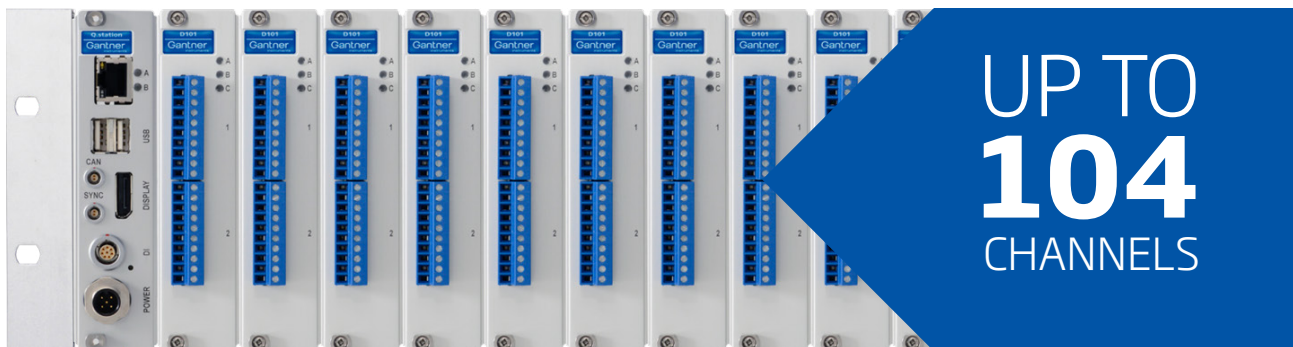


Voltage and Current Data Acquisition (DAQ) System

Signal conditioning, storage & streaming over 100 channels of voltage or current measurement data has never been as accurate or straightforward than with Gantner Instruments'

A108UI DAQ System



Voltage or Current measurement with up to 104 channels in Rackmount or Desktop Formats

The A108UI voltage and current measurement system is a flexible high precision solution that acquires and stores measurement data independently from a computer. All data can be logged to a USB drive and streamed in parallel to multiple devices for visualization and additional data logging if needed.

The system consists of the Q.raxx X station B test controller and up to 13 Q.raxx XL A108 measurement modules. Each A108 module provides up to 8 channels of differential voltage (± 10 VDC) or current (0/4-20mA) measurements, with sample rates up to 20kHz per channel and all channels synchronized with jitter better than 2 μ S.

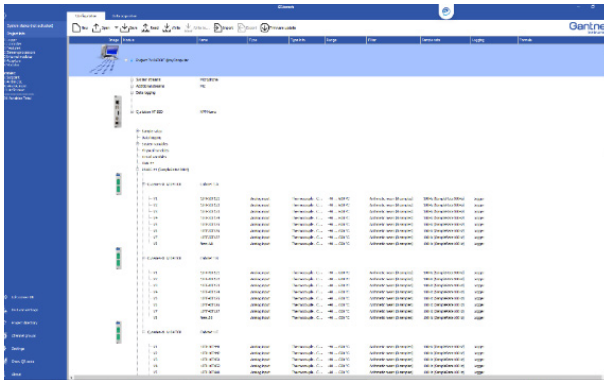
It can be rack-mounted (19", 3HU) or packaged into a desktop form factor and comes pre-configured for a quick-and-easy first operation. The system comes with an external AC/DC power supply, shunt terminals for up to 52 current measurements, a USB drive for data storage, and GI.bench software license.

The A108UI system is extendable beyond 104 channels with additional I/O modules for voltage and current measurements or other types, e.g., accelerometer, strain gauge, or thermocouple measurements.

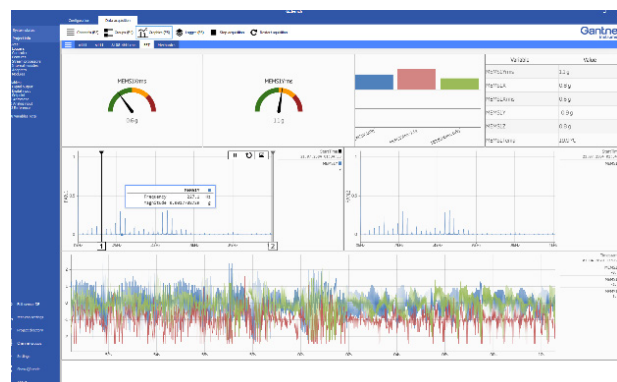
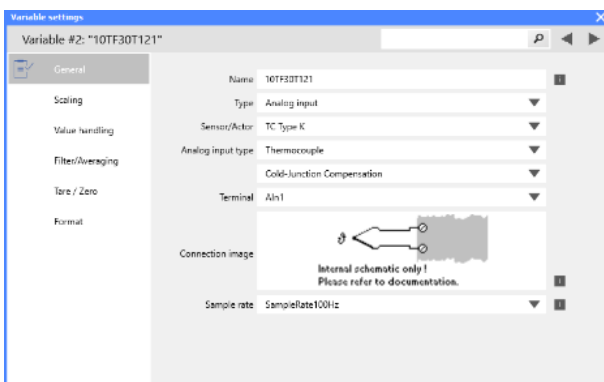
The A108UI system comes with these special features:

- 104 analog inputs for differential voltage (± 10 VDC) or current (0/4-20mA) measurements
- High-quality screw terminals for flexible sensor connection
- Shunt terminals for up to 4 current measurement connections on each terminal
- High-accuracy digitization with 24-bit ADC at 20kHz sample rate per channel
- Software selectable signal conditioning on the I/O level: linearization, filtering, averaging, scaling, min/max, RMS, arithmetic, and alarms
- 2 Digital inputs and outputs per A108 I/O module (26 total) for status, trigger, tare, and alarm
- 3-way galvanic isolation: 500VDC channel-to-channel, channel-to-supply, and channel-to-bank

All I/O channels and up to 20 independent data loggers are configurable for the A108UI system using [GI.bench](#). GI.bench is a state-of-the-art data acquisition environment that combines system setup, configuration, as well as logging and monitoring of multiple data streams in one desktop application.



Multiscreen data visualization is simple to set up with GI.bench's dashboard designer. Dashboards are easily shared with team members across multiple devices in parallel with the use of web browsers.



For more technical details regarding the A108UI system, please refer to the product datasheet of the [Q.raxx XL A108](#) analog input module and the [Q.raxx X station](#) B test controller.

Order Information

A108UI Rack Mount



Order code: 636225 Price: \$ 28,995

A108UI Desktop



Order code: 636326 Price: \$ 29,475