

GLbench

Superior and Scalable Platform
for Modern and Robust
Measurement Setups

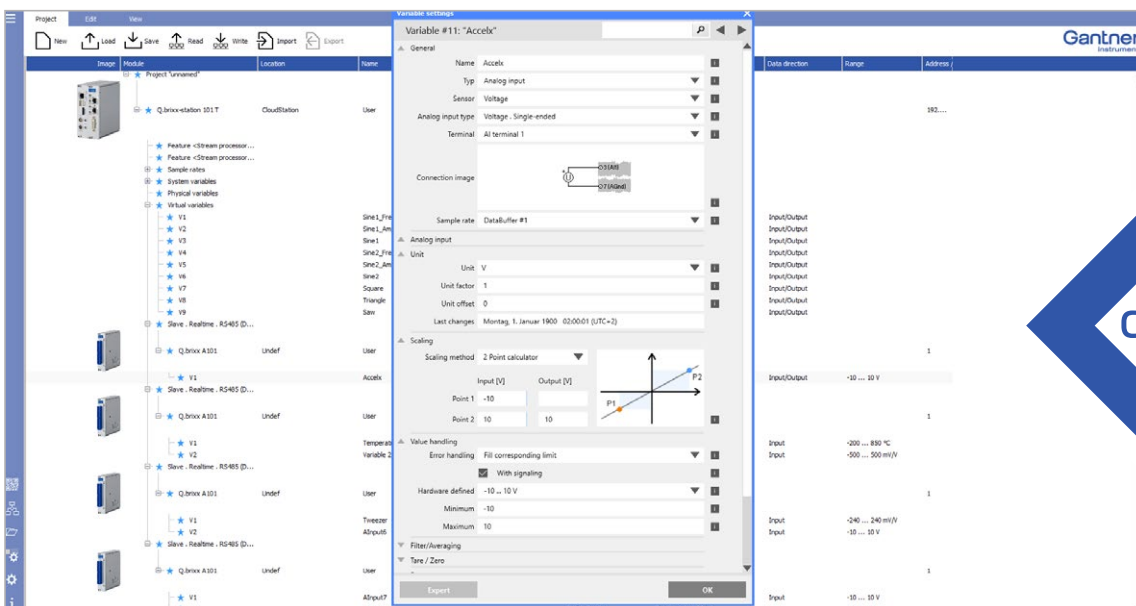


Superior and Scalable Platform for Modern and Robust Measurement Setups

GI.bench

The Market Approach

Monitoring and control applications demand distributed microservices for fast and flexible setup, configuration and visualization as well as easy third-party integration. Gantner Instruments - a world leader in distributed monitoring and control with extensive connectivity options - fulfills these needs with its cutting-edge Q.station and Q.monixx computing platforms and a corresponding Input/Output portfolio. The advanced computing platforms have been extended with the new software platform to provide "measurement and control solutions - designed for you".



GI.bench at a glance

- Configure your device and data logger
 - Fast channel editing through grouping of channels
- Create and manage your project
- Self-check your configuration before downloading to the device
- Visualization of live data stream and historical data
 - Zoom-In to raw data granularity
 - Real-time and historical data access
 - Share the data stream seamlessly within your team
 - Customize your dashboard
- Integration into your system with open API

Solutions

The GI.bench software platform from Gantner Instruments combines faster test setups, project configuration and handling, as well as visualization of data streams in one digital workbench.

It enables you to configure, execute and analyze your measurement and test tasks on the fly and enables you to access live and historical measurements anywhere. The required information is transmitted directly to your screen or any mobile device.

GI.bench offers everything from evaluation and display of real-time measured data, data storage based on simple and fast configuration of decentralised measuring systems, to universal data availability in your local network.

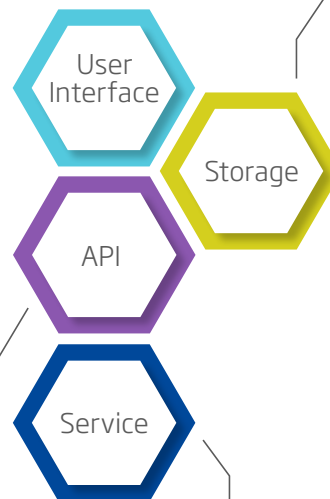


Visualization of live data stream and historical data

Configuration and Setup

GI.User Interface

- Flexible chart visualization everywhere in your network
- Show your data in real-time tables
- Customized data dashboard for fast overview
- Data export: raw or aggregated data in various formats (e.g. csv, UDBF)
- Create your own customized user interface
- Rules/notifications: configuration and visualization in WebUI, accessible at API (e.g. system status, ...) or push notification



Visualize - Operate - Analyse

GI.storage

- Data storage and aggregation in real-time buffer and files
- Event-based data processing
- Third-party data streaming protocols (MQTT, UPC UA, ...)
- Arithmetic stack for data enrichment
- Calculation of key performance indicators
- Your customized analytics plug-in (e.g. test.con)

GI.service

API: Application Programming Interface for Open Interfaces

- Binary API: for real-time buffer
- XML-RPC for configuration
- REST for data access, analytics and integration (test.con)

GI.config:

- Configuration service for parameters, arithmetics and rules
- Easy third-party access

GI.com:

- Communication service between I/O devices, controller and GI.bench/ GI.cloud
- Secure and reliable information and protocol transport
- No network limits

GI.data:

- High speed data acquisition service, all measurement data available in shared memory for multiple processes
- Data logging function with file storage
- Specific data post-processing



Gantner Instruments GmbH

Montafonerstrasse 4
6780 Schruns
Austria

Tel. +43 5556-77463-0
office@gantner-instruments.com

Gantner Instruments
Test & Measurement GmbH

Heidelberger Landstr. 74
64297 Darmstadt
Germany

Tel. +49 6151-95136-0
testing@gantner-instruments.com

www.gantner-instruments.com

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