



*Multichannel
Easy
High Reliability*



GA10 Release 3

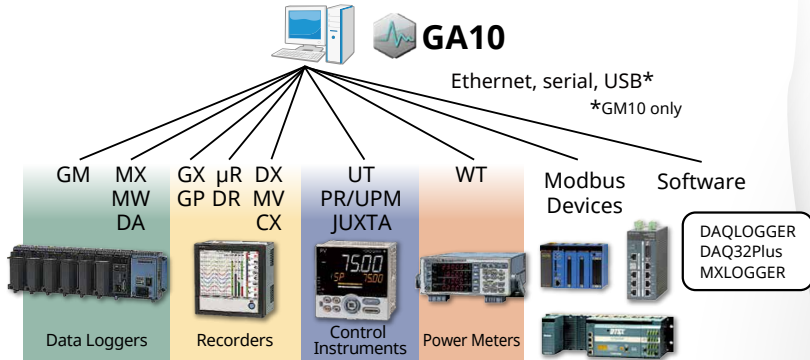
Data Logging Software

Monitors and records data from a variety of instru



Connectivity with many devices

Broad support for data loggers, recorders, temperature controllers, signal conditioners, power monitors, and power meters. Even acquires data from Modbus devices.



* See back cover for compatible models

Easy-to-read screen

• Wide variety of display screens

① Trend ② Digital ③ Bar graph ④ Meter



Display only waveforms of interest

Check values with the cursor. Calculate the difference between 2 points "on the fly."

Add menu to key for conf

Max. 100 devices

100 ms high-speed acquisition

Easy

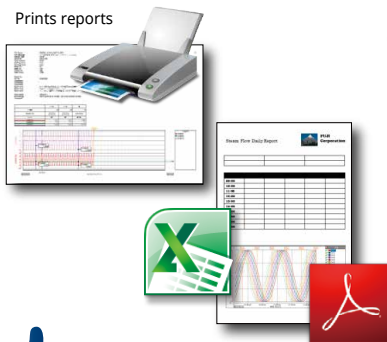
Simple settings

• Auto print settings

Automated printing of trends and other graphs. Configure by selecting contents, target channels, printers, and other settings. Customizable layout, with output to Excel or PDF.

(Report/print functions optional)

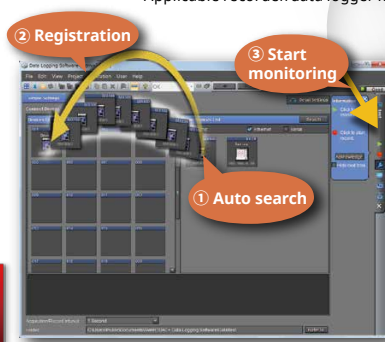
Prints reports



• Acquisition settings

Simply choose an instrument to connect to and you're ready for acquisition. If using a data logger/recorder, the tag names are automatically applied.* You can easily scan on multiple channels. Advanced settings can also be modified.

* Applicable recorder/data logger models



Setting page (Simple setting mode)

Variety of functions



Alarm sound

• PC beeps when alarms occur



Send via e-mail

• Send e-mail based on various acquisition statuses
• Specify multiple sending conditions and contents
• SMTP authentication / POP before SMTP



MATH channels *option

• Computation on measured data in real time
• Supports basic math and a variety of other operations
• Alarms can also be set



Report printing *option

• Auto printing of data including trends, instantaneous values, and hourly/daily reports
• Supports layout customization and output to PDF/Excel



OPC-UA server *option

• Supports OPC-UA communication for high security and reliability
• Leverage measured data in supported SCADA, databases, and other platforms

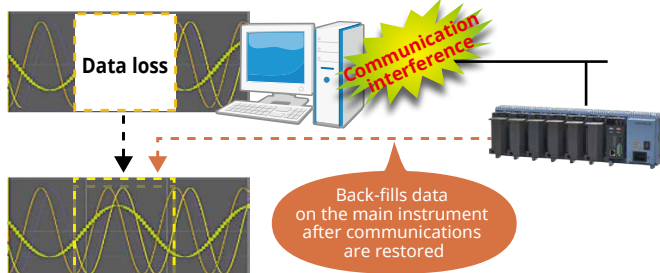


High reliability

• Auto reconnection when communications are lost, protection of data files up to the moment of power failure

• Data supplementing function (Backfill function)*

* The instrument's time is used for the timestamp when using the GM/GX/GP/DR/MV main unit



• Server OS support

Enables construction of highly reliable systems that hold up under continuous operation



Windows Server 2008



Windows Server 2012

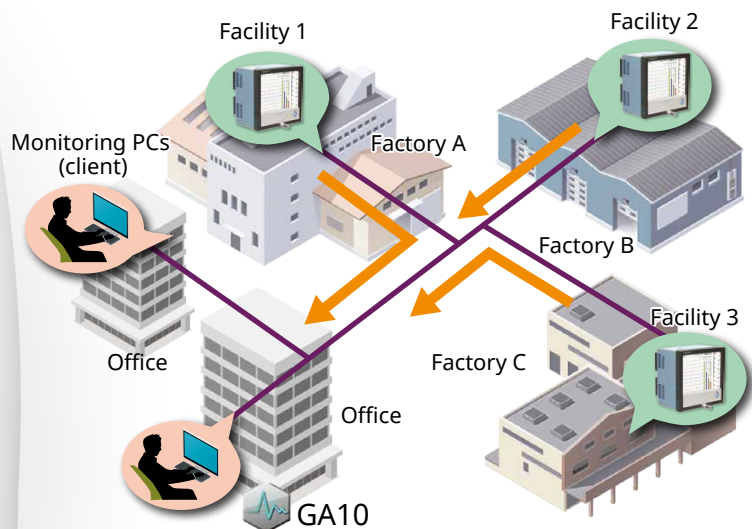
⑤ Alarm monitoring / log ⑥ Custom



Powerful applications

● Data monitoring in manufacturing sites

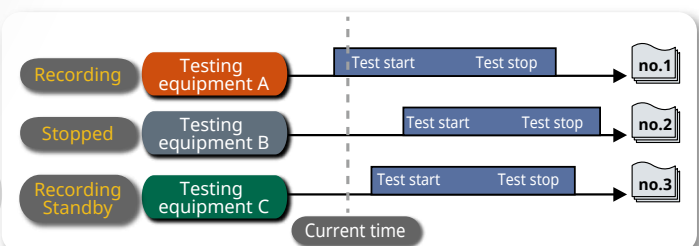
Monitor factory data from the office. You can also add clients and share data across multiple PCs.



Results: Check data from your desk, less touring around your sites!

● Recording data from multiple devices

Saves testing/manufacturing equipment data on a PC. You can even record individual equipment at separate times.



Results: Backs up important test data! Manage data from multiple equipment in one place!



Standard support for multilogging

- Enables acquisition of multiple data at different timing



2 time modes

- Select PC time or instrument time for time stamps
- Maintains consistency with instrument main unit files



User privilege settings

- Set 4 privilege levels: Owner, Manager, Operator, or Monitor



Add monitoring PCs (client) *option

- Monitor and share data on multiple PCs



DDE server

- Utilize measured data in DDE compatible software including Microsoft Excel

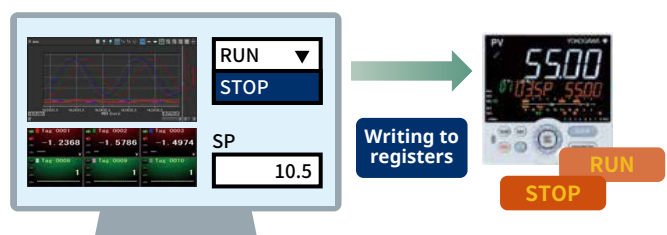


Custom display **NEW** *option

- Lay out components any way you like (such as Digital, Trend, Bar, and Image components).
- Enables monitoring with custom displays tailored to your environment.

● Modbus operation via custom displays **NEW**

You can change the values of Modbus registers from custom displays. Operation (control or record) can also be changed.



Results: Operate devices via monitor screens. Records after switching the device status.

Specifications (Overview)

- Max. connectable units: 100
- Max. recording tags (channels): 2000
- Max. recording MATH tags (channels): 2000
- Max. connectable clients: Unlimited (verified with 32)
- Scan interval: 100 ms or higher (using PC time), or scan interval of instruments (using instrument time)

Connectable Devices and Software

	Products to be connected		Products to be connected		Products to be connected
Data Logger	GM10	Control Instrument	UT75A, UT52A, UT55A, UT35A, UT32A, UP55A, UP35A, UM33A	Software	DAQLOGGER
	MX100, MW100		Connect the following as Modbus instruments FA-M3V (F3SP7x), PR300, UPM100, UPM101, VJU7, VJS7, VJA7, VJH7, VJP8, VJQ7, VJQ8, VJX7, MVHK, MVRK, MVTK		DAQ32Plus
	DA100				MXLOGGER
Recorder	GX10, GX20, GP10, GP20	Power Meter	WT300, WT500, WT1800*, WT3000, WT3000E	* Free connection software GateWT for GA10 available	
	DX1000, DX1000N, DX2000				
	DX1000T, DX2000T, FX1000	Modbus Device	Instruments supporting Modbus communication		
	MV1000, MV2000				
	CX1000, CX2000				
	μR10000, μR20000				
DR130, DR230, DR240					

Model and Suffix Codes

● Data logging software

Model	Suffix Code	Optional Suffix Code	Description
GA10			Data Logging Software Basic license
Number of channels	-01		100 ch
	-02		200 ch
	-05		500 ch
	-10		1000 ch
	-20		2000 ch
Optional features		/RP	Report/Print function
		/MT	Math function (Max. 2000 ch)
		/UA	OPC-UA server function
		/CG	Custom display function

● If increasing the number of monitoring PCs (clients)

Model	Suffix Code	Description
GA10CL		Client license for GA10
Number of licenses	-01	1 license
	-05	5 licenses
	-10	10 licenses
	-50	50 licenses

Operating Environment

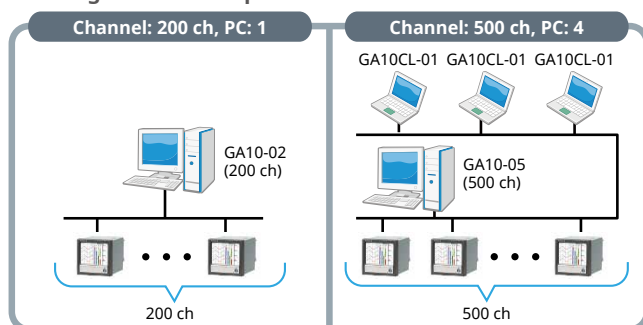
OS	Windows Vista, Windows 7, Windows 8.1, Windows10, Windows Server 2008 R2, Windows Server 2012
CPU	Pentium 4, 3.2 GHz or faster (or equivalent), 64-bit OS recommended
Main memory	2GB or more
Hard disk	200MB or more of free space
Display	A resolution of 1024 x 768 or higher, 65,536 colors (16-bit, high color) or more
Communication port	RS-232, Ethernet, or USB port* supporting the OS* Use a converter (ML2 recommended) for RS-422/485 communication.

*GM10 only

● If adding channels or features

Model	Suffix Code	Description
GA10UP		Upgrade license for GA10
Upgrade	-01	Channel upgrade 100 ch⇒200 ch, 200 ch⇒500 ch, 500 ch⇒1000 ch, 1000 ch⇒2000 ch
	-02	Channel upgrade 100 ch⇒500 ch, 200 ch⇒1000 ch, 500 ch⇒2000 ch
	-03	Channel upgrade 100 ch⇒1000 ch, 200 ch⇒2000 ch
	-04	Channel upgrade 100 ch⇒2000 ch
	-RP	Add Report/Print function
	-MT	Add Math function (Max. 2000 ch)
	-UA	Add OPC-UA server function
	-CG	Custom display function

● Configuration example



● Software Download

Download software from our website. Enter your license key in the trial version to unlock the full version.

● The user's manual can be downloaded from the website.

For DAQWORX customers

An introductory guide for GA10 is available. You can also use your existing instrument and software as-is.

Target software: DAQLOGGER, DAQ32Plus, MXLOGGER

* See the website for details.

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Web site ➡ <http://www.smartdacplus.com/en/>

NOTICE



Before operating the product, read the user's manual thoroughly for proper and safe operation.

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