

# Technical Information

TI 04L65B01-01EN

GA10  
Data Logging Software  
Product Introduction Guide

**SMARTDAC+**<sup>®</sup>



**SMARTDAC+**<sup>®</sup>

*Data Logging Software*  **GA10**

The Ideal Monitoring and Recording Software for Your Data Acquisition System



*Multichannel  
Easy  
High Reliability*

The contents of this Technical Information are subject to change without notice.

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# Introduction

This document describes the outline for GA10 Data Logging Software.

## ■ Notice

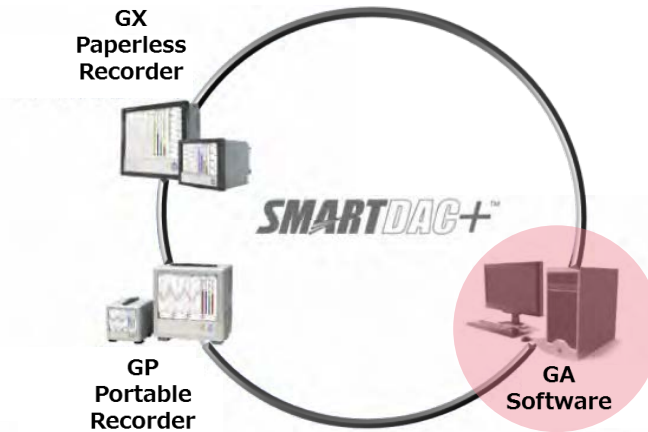
- The contents of this manual are subject to change without notice as a result of continuing improvements to the instrument's performance and functions.
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## ❖ 1. A New SMARTDAC+ Series Product

- ❖ GA10 is a follow-up SMARTDAC+ product to the GX/GP Series Paperless Recorders.
- ❖ It renews the DAQWORX Data Acquisition Software that has been well received in the past.



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## ❖ 2. Data Logging Software GA10



Introducing the Ideal Monitoring and Recording Software for Your Data Acquisition System

Saves time and effort by centralizing monitoring and recording tasks on a PC



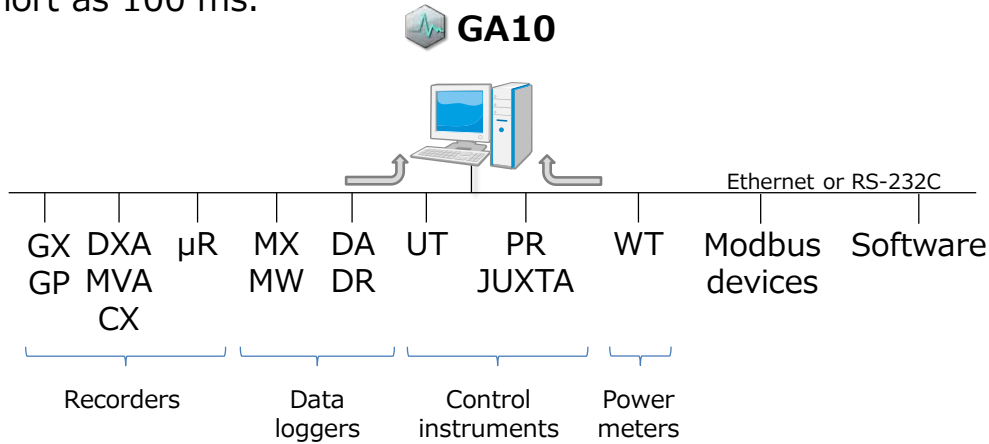
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### 3. Connectivity with Many Devices

- ❖ Collects data from a wide variety of devices ranging from recorders and loggers to temperature controllers, power meters, and even Modbus devices. **NEW!!**
- ❖ Greatly enhanced basic features including connections up to 100 devices and 2000 channels and data collection interval as short as 100 ms. **NEW!!**



### 4. Simple Settings

- ❖ Just 5 minutes from initial startup to connection! **NEW!!**
- ❖ You can experience the GA10 features immediately on the day of purchase.

To configure the settings in detail, select the Detail Settings mode.

Simple Settings Page

Monitor Page

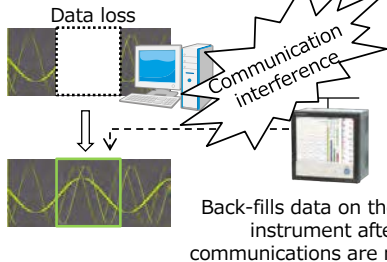


## 5. High Reliability

The following features have been enhanced to ensure reliable data collection.

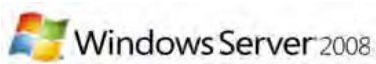
- Scheme that is robust against communication interruptions and power failures
  - Auto reconnection when communications are lost
  - Protection of data files up to the moment of power failure

- Data supplementing function (back fill function)\* **NEW!!**



\* The instrument's time is used for the timestamp, only during recording on the GX/GP/DX/MV main unit.

- Server OS support; enables construction of highly reliable systems that hold up under continuous operation



## 6. Easy-to-Read Screen

Monitor and record data on the newly advanced Monitor Page.

Instantly recognize alarms (in red)

Display only waveforms of interest

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

Add memos (marks) to key locations for later confirmation

Play back data up to recording start, even during measurement

Channel (tag) grouping  
Collectively view channels of different devices

Wide variety of display screens  
1. Trend graph  
2. Digital display  
3. Bar graph display  
4. Meter display  
Alarm monitoring and log

Change the split location

Zoom in/out on the Y-axis  
Line up overlapping waveforms for confirmation



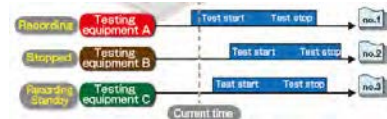
## 7. Convenient Features

Abundant features to suit your applications



### Standard support for multilogging

Enables acquisition of multiple data at different timing



### 2 time modes

Records using instrument timestamps to secure consistency with instrument data



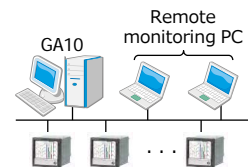
### User privilege settings

Set user access privileges such as not allowing certain users to change settings



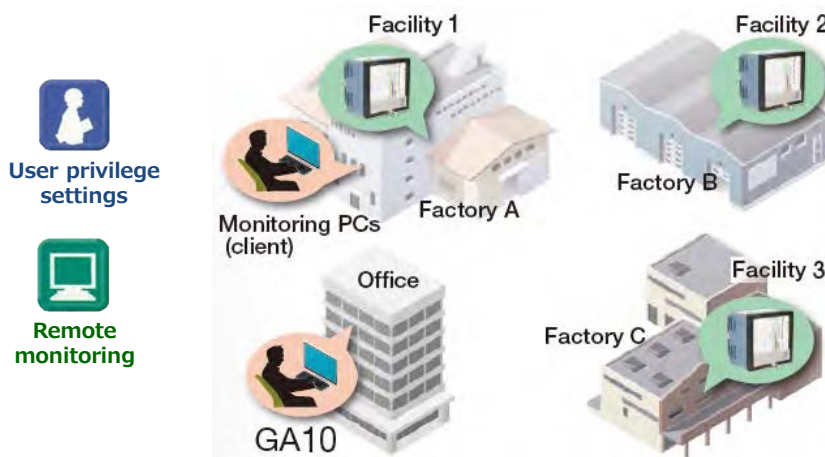
### Add monitoring PCs (client)

Monitor and control a GA10 from multiple PCs (option)



## 8. Superb Data Monitoring Performance

- Monitor the data of manufacturing sites from the office
- Use user privilege settings and additional monitoring PCs to allow multiple members to monitor from numerous locations.



**Check data from your desk.  
Less touring around your sites!**

## 9. Superb Data Recording Performance

- ❖ Back up important data from testing and manufacturing equipment
- ❖ Use the two available time modes and the multilogging function to synchronize with instruments and efficiently manage the data of each device separately



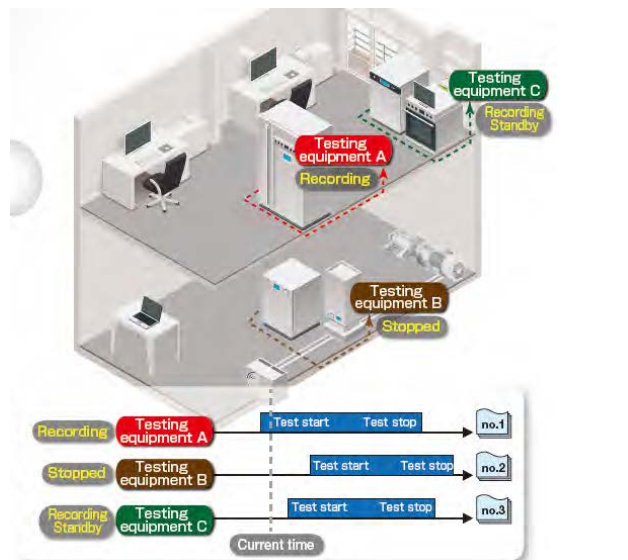
2 time modes



Multilogging

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

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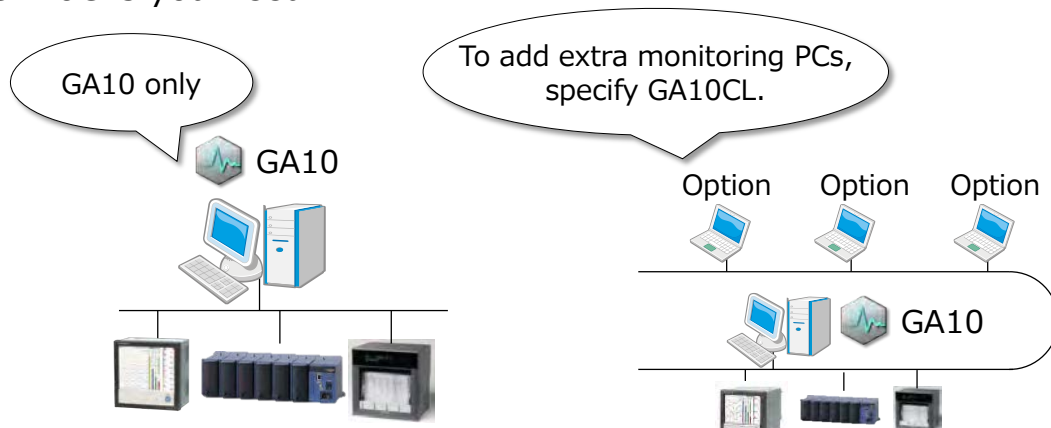


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## 10. Easy to Purchase

- ❖ Simply purchase GA10 and start collecting data right away. No need to purchase other driver software or components.
- ❖ If you require extra monitoring PCs, simply specify the number of GA10CLs you need.



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## 11. Case Study

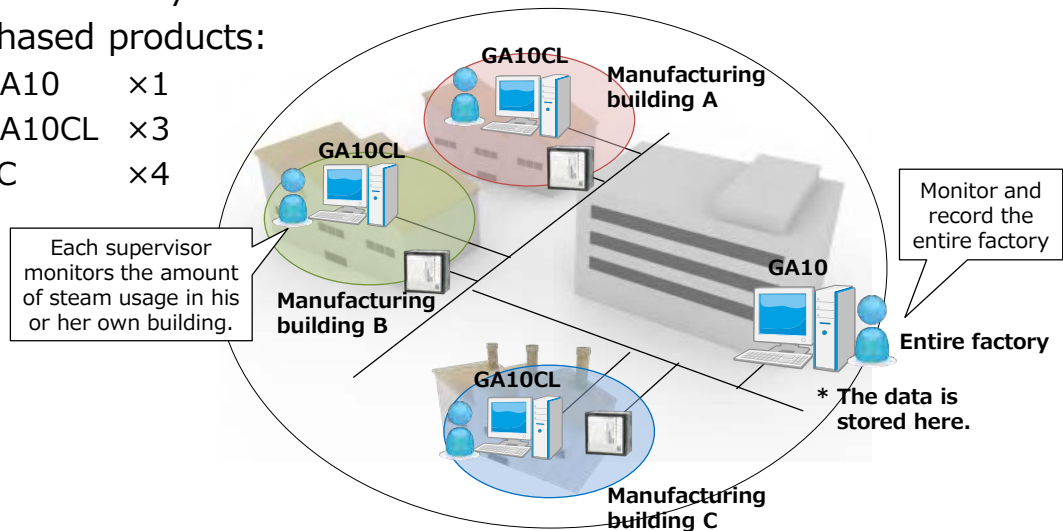
Continuous monitoring and recording of steam usage in factories of a chemical material manufacturer

Advantages: Eliminates daily rounds to record usage

Access privileges enable each supervisor to monitor only his or her own area.

Purchased products:

- GA10     ×1
- GA10CL ×3
- PC       ×4



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# Revision Information

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