

With GP-Pro EX

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 - For Maintenance Personnel

Downtime Reduction Master Edition



01

Control and monitor production site screens from the office

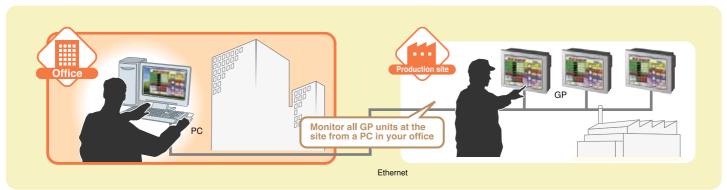
QUESTION ««

Do you go to the production site to deal with the situation every time there is a problem?

Pro-face's solution ««

With GP-Viewer EX you can check what is going on at the production site from the office via an Ethernet connection.

Pro-face offers REMOTE MAINTENANCE VIA GP UNIT



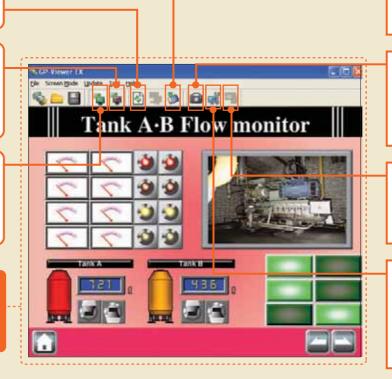
Poperating screen

Refreshes alarm, logging, and other data manually.

Asynchronous Mode: Allows you to operate and monitor only the screen you want to. The screen you see is unaffected when a production site display changes.

Synchronous Mode: Displays the same screen as that currently displayed at the production site, allowing you to check exactly what is happening at the site in real time.

Check production site display screens from the office in real time without the need to visit the production site.



External Storage: Obtains the latest information regarding images and audio on a CF card or USB flash drive.

Capture Screen Shot: Saves a screen shot of the current screen. Useful for checking system status when problems occur and for creating documentation.

Switch User IDs: Restricts personnel who can display data and perform operations with GP-Viewer EX. Useful for security administration.

Settings: Allows you to set screen position at startup, automatic data refresh frequency, and CPU usage. This lets you adjust PC or GP unit load and the speed at which data is refreshed.

It is necessary to purchase a separate license in order to use GP-Viewer EX.

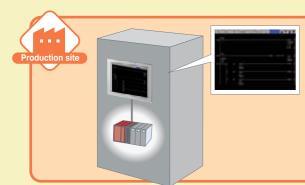
2 Check PLC ladder programs from a GP unit

QUESTION ««

Do you take a PC to the production site and use a ladder tool to identify problem causes when something goes wrong with your equipment?

Pro-face's solution **««**

Pro-face lets you monitor ladder programs made by other manufacturers from the production site with a GP unit - very handy for determining the causes of errors.



PLC ladder program can be monitored online.

Supported PLCs

Mitsubishi Electric Corporation

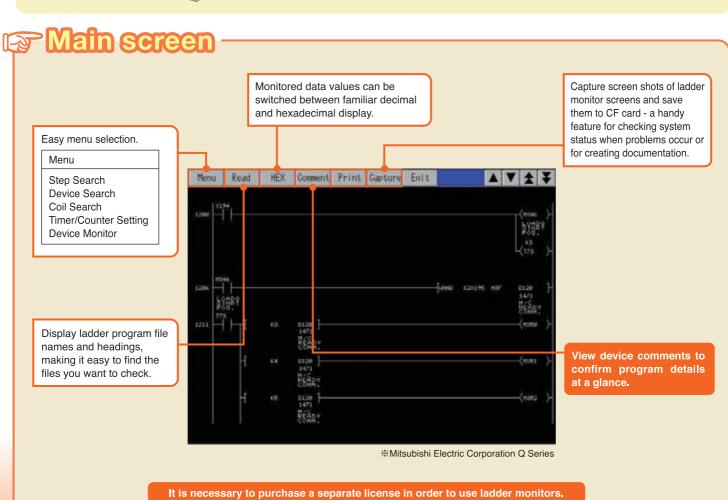
A Series CPU Direct A Series Computer Link

Q Series CPU Direct

Q/QnA Series Ethernet

OMRON Corporation

CS/CJ Series HOST Link CS/CJ Series Ethernet



13 Immediately determine the causes of errors

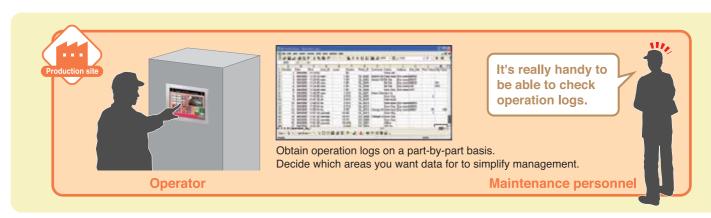


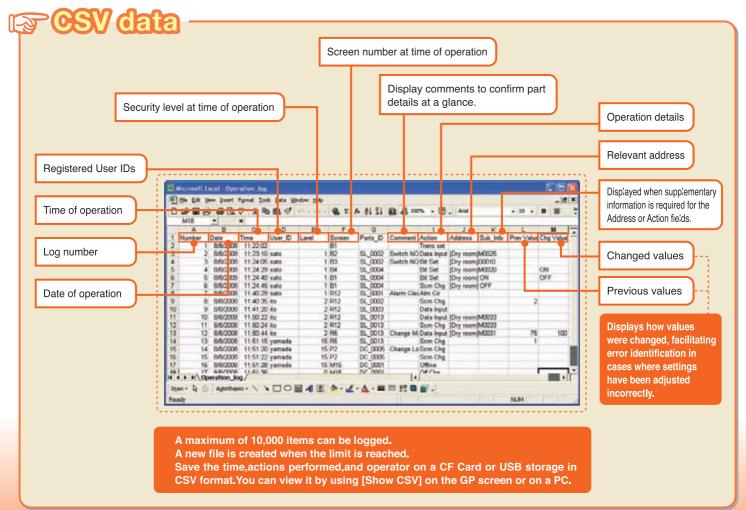
QUESTION ««

Does it take you a long time to solve problems because you don't know what is causing them?

Pro-face's solution ««

Pro-face lets you check exactly when an operation was performed and who performed it, speeding up the process of determining error causes.





04

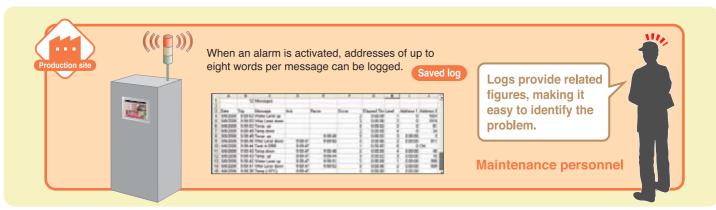
Acquire device values simultaneously with alarm messages

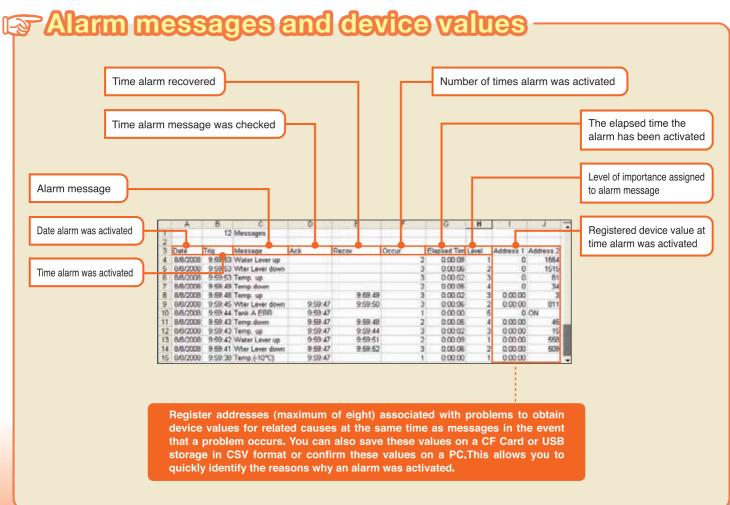
QUESTION ««

Does it take you a long time to work out the causes of errors when it appears that there may be multiple causes?

Pro-face's solution ««

Pro-face lets you simultaneously obtain messages and registered device values when an alarm is activated, making it easy to grasp the causes of the problem.





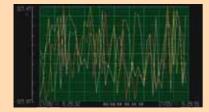
QUESTION ««

Do you hook up to a PC to check past data for possible precursors of trouble?

Pro-face's solution ««

Past log data can be searched chronologically and displayed in graph format. All graph values can then be displayed.

Historical trend Graph



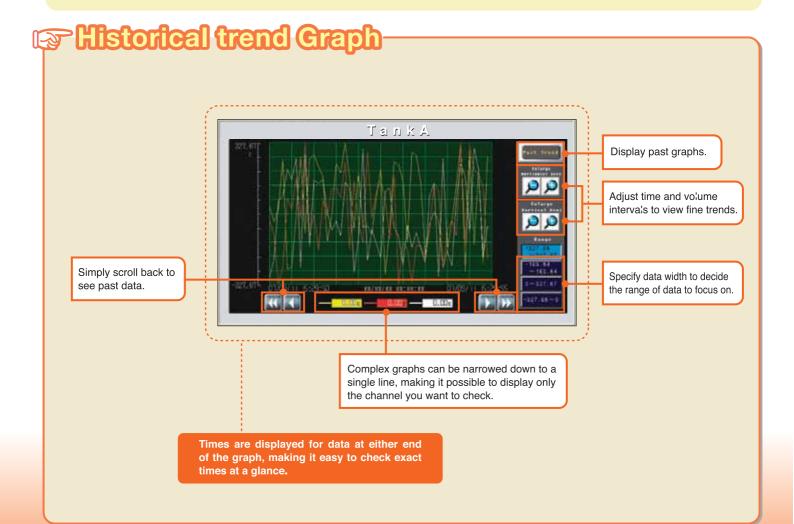
Data from CF cards and USB flash drives can be graphed in chronological order.

Graphing error logs makes for easy analysis.

XY Graph



Two word addresses (for example, Weight and Pressure) can be translated into XY coordinates and displayed in point or line format. This can be used to display distribution graphs and loci of measured values.



SECTION

06

Use video in operating instructions to make procedures easier to understand

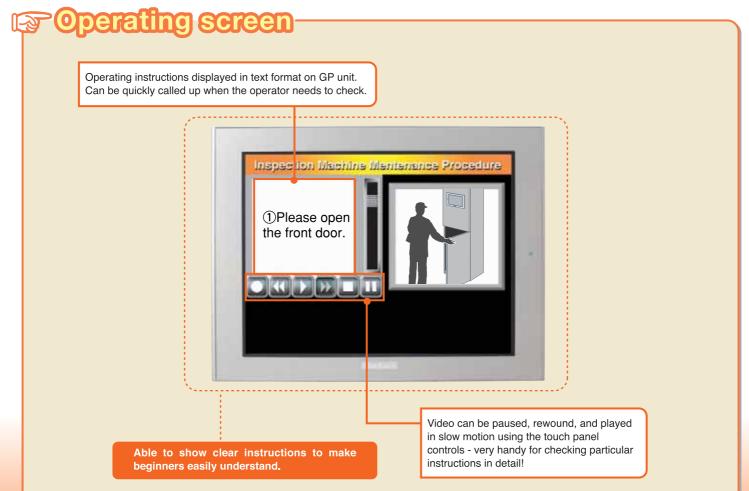
QUESTION ««

Do personnel in charge have to go to the production site for even relatively minor maintenance tasks?

Pro-face's solution ««

Video content can be included in operating instructions, letting you create simpler maintenance instructions that any operator can follow.





Adding extra sensors to decrease downtime is easy



QUESTION ««

Do you change PLC programs just to add a sensor or when implementing other minor system changes?

Pro-face's solution ««

Pro-face lets you add a variety of I/O devices directly without stopping the line or changing ladder programs you have created.

Pro-face offers EASY ADDITION OF I/O DEVICES

