HIOKI

GENNECT One SF4000

GENNECT One



Make your PC a window into the field

Free Application

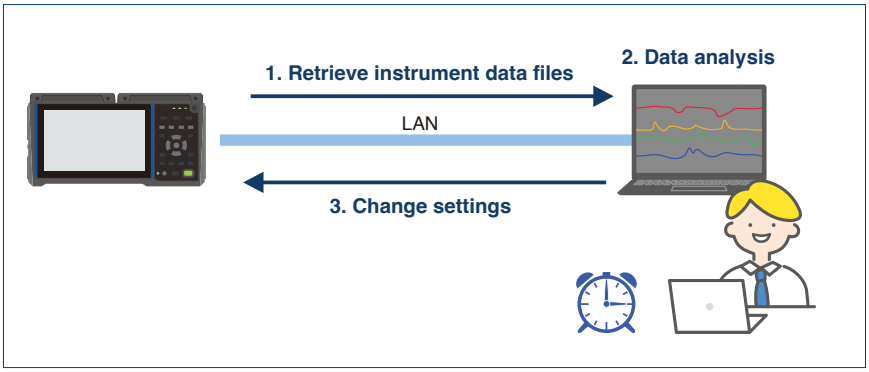
If you work with instruments at your company, you may share concerns such as.



I wish I could check the measurement status in my company from my desk.

Problem: Solved!

You can collect date from measuring instruments and remotely operate them from your PC.

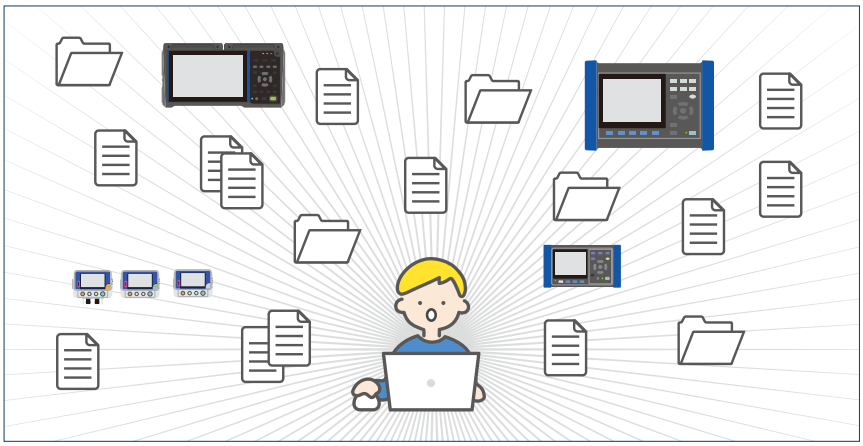




It's frustrating to organise measurement data of multiple types from multiple instruments.

Problem: Solved!

Real-time display of measurement data of multiple types from multiple units.
Data can also be graphed.



GENNECT One is a free Windows application that provides central management of multiple instruments on a LAN.

GENNECT One 5 key features

01

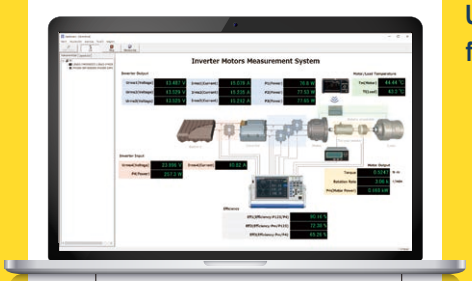
Free application for use on Windows PCs

There's no need to code a program or build your own system. Simply install the application on your PC to centrally manage instruments.

02

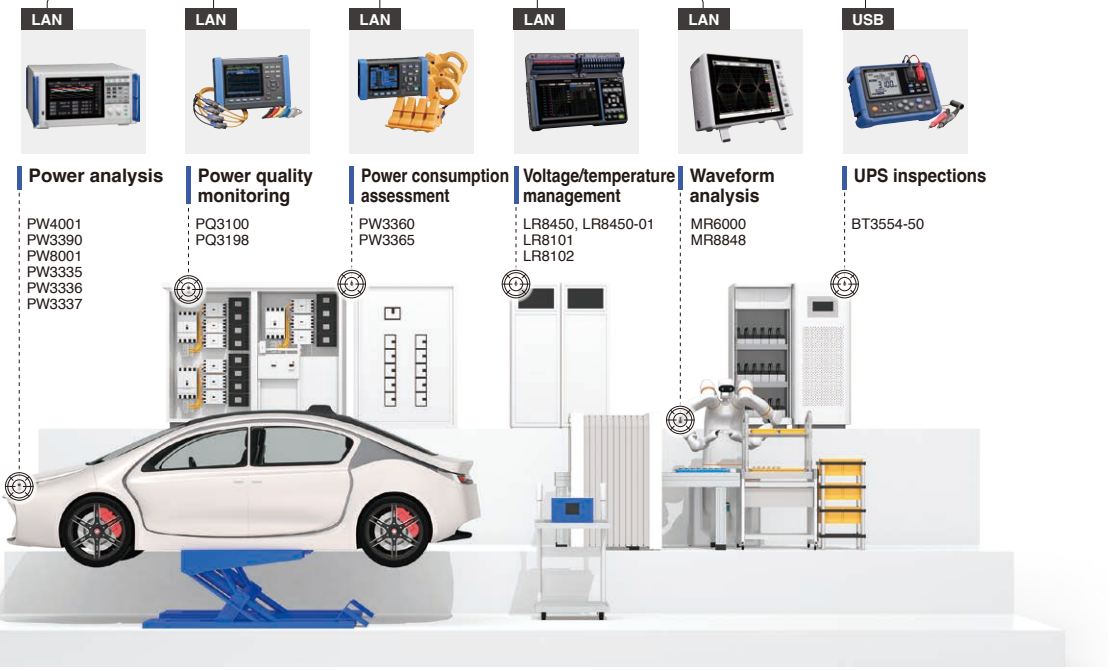
Use LAN connections to save data from high-speed sampling on your PC

You can collect measurement data from your LAN on your PC. LAN connectivity makes possible high-speed logging at an interval as short as 1 sec.



Hub

Connect instruments to your PC over your LAN via a hub.



03

Simultaneously connect up to 30 instruments

You can also collect data from different instruments in a single graph. The application let you treat multiple instruments as if they were a single device.

04

Operate instruments remotely

You can operate and configure instruments remotely. If you're using instruments in multiple locations, this capability will save you enormous amounts of effort.

05

Download measurement data from instruments

You can also download data files from instrument-mounted storage media. There's no longer any need to retrieve data.

GENNECT One shines in these situations

01 Detect errors in the field as soon as possible

Until now

Errors occurring on the production floor at plants require a quick response. When checking instruments individually onsite, it took time to detect errors and investigate the cause. Furthermore, the available data didn't provide enough information to truly understand the error.



With GENNECT One

Data from LAN-connected instruments (up to 30) can be logged at an interval as short as 1 sec. Polled data can be displayed as a list or graph using GENNECT One's logging function. In addition, the dashboard function can be used to display data graphically or to display a list of the date and time and values when alarms that have occurred.

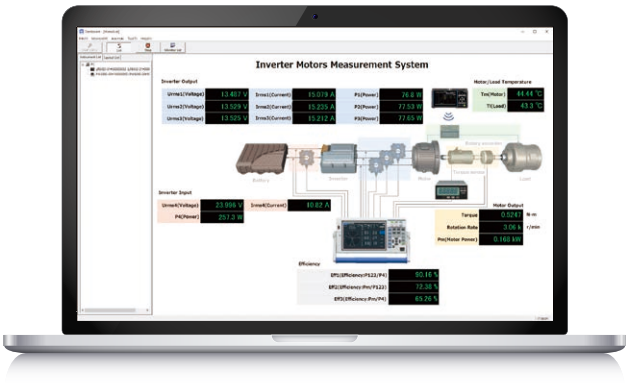
What's more, polled data can be used to automatically generate daily, weekly, and monthly reports and to output data in CSV format for later analysis in a spreadsheet.

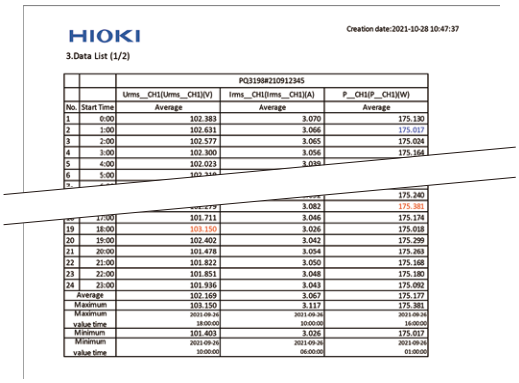
Dashboard function

- Graphical display
- List of the date and time and values when alarms that have occurred

Logging function

- List display, graph display




HIOKI

Creation date:2021-10-28 10:47:37

3.Data List (1/2)

No.	Start Time	Urms__CH1(Urms__CH1)(V) Average	Irms__CH1(Irms__CH1)(A) Average	P__CH1(P__CH1)(W) Average
		P03198#210912345		
1	0:00	102.383	3.070	175.130
2	1:00	102.631	3.066	175.017
3	2:00	102.577	3.065	175.024
4	3:00	102.300	3.056	175.164
5	4:00	102.023	3.035	
6	5:00			
				175.240
			3.082	175.381
17	17:00	101.711	3.046	175.174
19	18:00	103.150	3.026	175.018
20	19:00	102.402	3.042	175.299
21	20:00	101.478	3.054	175.263
22	21:00	101.822	3.050	175.168
23	22:00	101.851	3.048	175.180
24	23:00	101.936	3.043	175.092
Average		102.169	3.067	175.177
Maximum		103.150	3.117	175.381
Maximum value time		2021-09-26 18:00:00	2021-09-26 10:00:00	2021-09-26 16:00:00
Minimum		101.403	3.026	175.017
Minimum value time		2021-09-26 10:00:00	2021-09-26 06:00:00	2021-09-26 01:00:00

02 Retrieve measurement data from instruments

Until now

To collect the measurement date, there was necessary to visit the site each time, which was time-consuming and required man-hours for management.

With GENNECT One

Now each measuring instrument can be accessed from GENNECT One, and the measurement data is automatically saved to their PC. There's no need to visit the field and retrieve data.

Event files from power quality analyzers and waveform files from waveform recorders are also automatically saved. You can also choose to download these files manually.

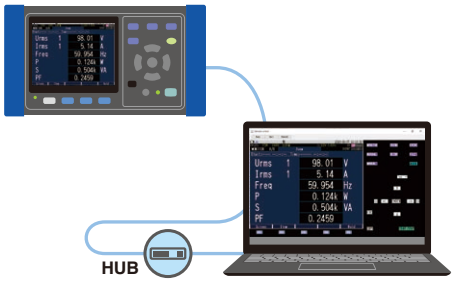
03 Change instrument settings

Until now

It was necessary to visit each site where instruments were installed and to change their settings individually in a time- and effort-intensive process.

With GENNECT One

Instruments installed in the field can be controlled remotely. Each instrument's screen and buttons are displayed in GENNECT One so that they can be operated by the user.
There's no longer any need to visit sites in the field.



04 Aggregate data from multiple instruments and generate reports

Until now

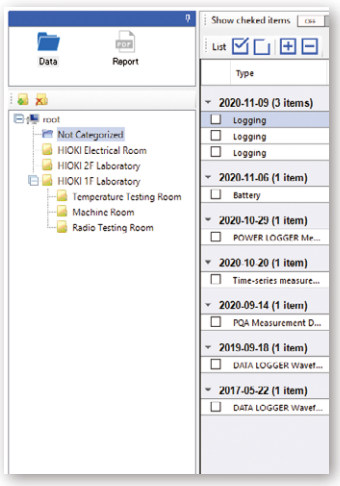
It was necessary to manually collect data in different formats for individual instruments and then to create data lists and graphs using spreadsheet software and other tools.

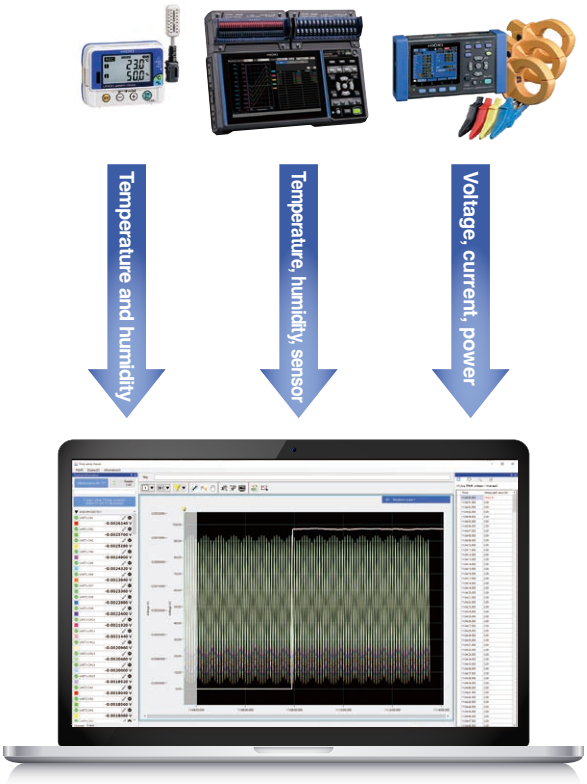
With GENNECT One

The data list function can collect all measurement data in a single list, making searching easy. Additionally, the time-series viewer function can be used to summarize measurement data from different instruments in a single graph. Data can be saved as a CSV file or image.

Display measurement data as a list.
Data is easy to manage.

- Title
- Folder sorting
- Comment entry
- Search tags

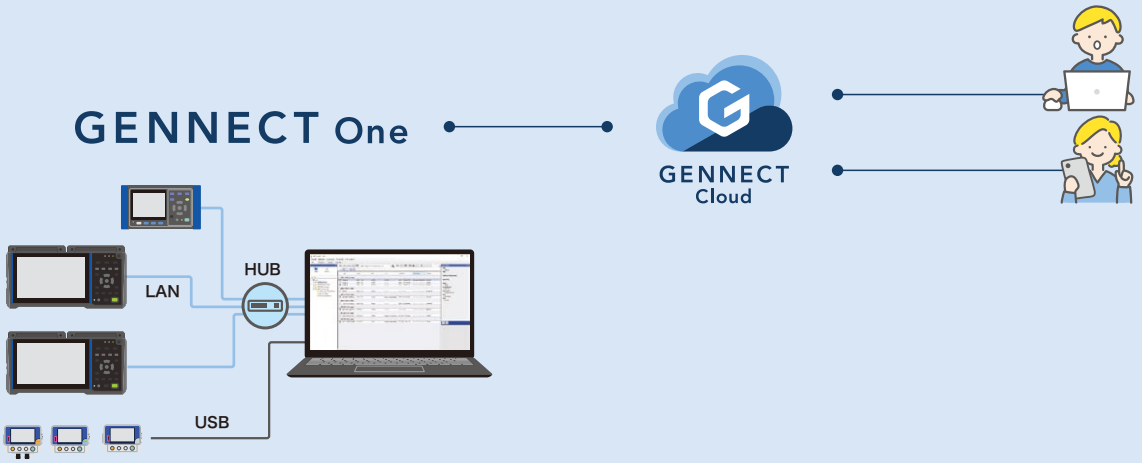




GENNECT Cloud | Broaden your measurement horizons

By connecting to GENNECT Cloud, you can connect to data from instruments in distant locations.

By logging in to GENNECT Cloud from GENNECT One, you can move beyond your LAN and connect to instruments in remote locations. Users can access GENNECT One via GENNECT Cloud anytime, from anywhere.
*GENNECT Cloud is a cloud service operated by Hioki that's specifically designed for measurement.



Unique advantages of the cloud

1 Enable remote measurement

GENNECT One collects measurement data every minute and automatically saves it in the cloud. Data can be displayed in real time and graphed, and alarms can be sent when events occur.

2 Download files from any location

Data measured using various instruments and saved in their internal memory or on mounted SD cards is also saved in the cloud. You can continue to analyze data on your PC.

3 Operated instruments remotely.

Instruments connected to GENNECT One can be operated remotely from GENNECT Cloud.

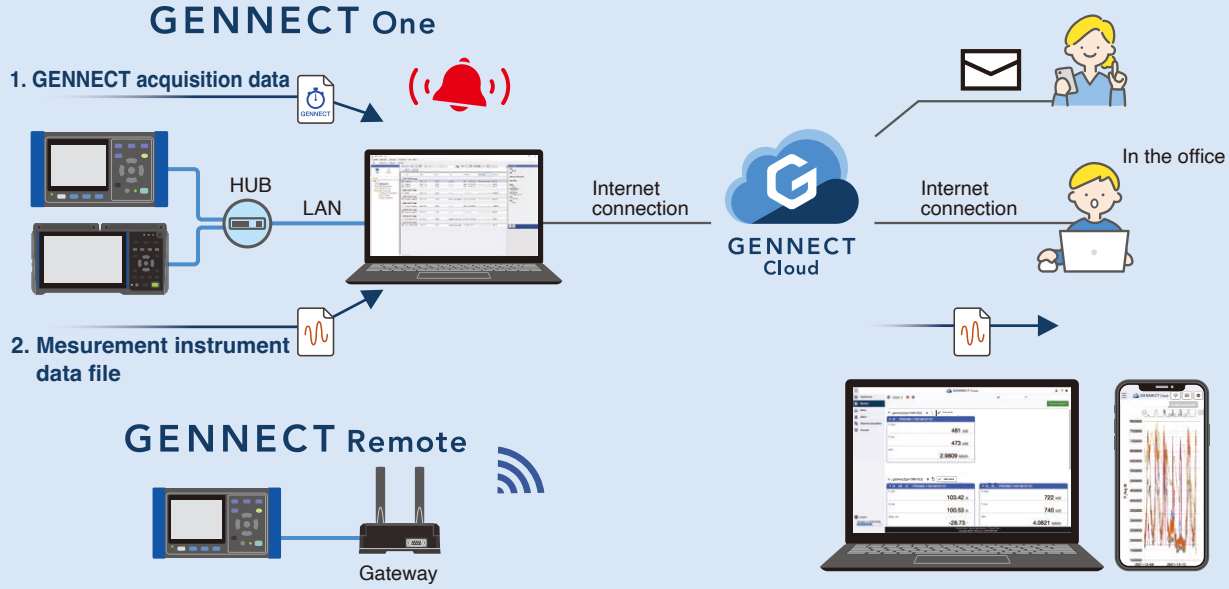
GENNECT Cloud subscription plans

Functionality	Free (Free)	Basic (Fees apply)	Pro (Fees apply)
Monitor function	Collect and save GENNECT acquisition data (logged at a 1 min. interval) and display it in real time.		
Drive functionality	Manage and export GENNECT polled data and instrument data files.		
Alarm function	Alarm notification destinations: Email, Slack, GENNECT Cross		
Console function	–	Control instruments remotely.	
Cloud storage space	5 GB	50 GB	500 GB
No. of users / No. of teams / No. of measurement groups	3 / 3 / 1	10	100
Max. no. of alarms per measurement group	3	30	100
WebAPI use	No	No	Yes

*When you register a valid GENNECT Remote account, it receives service equivalent to GENNECT Cloud Basic free of charge.

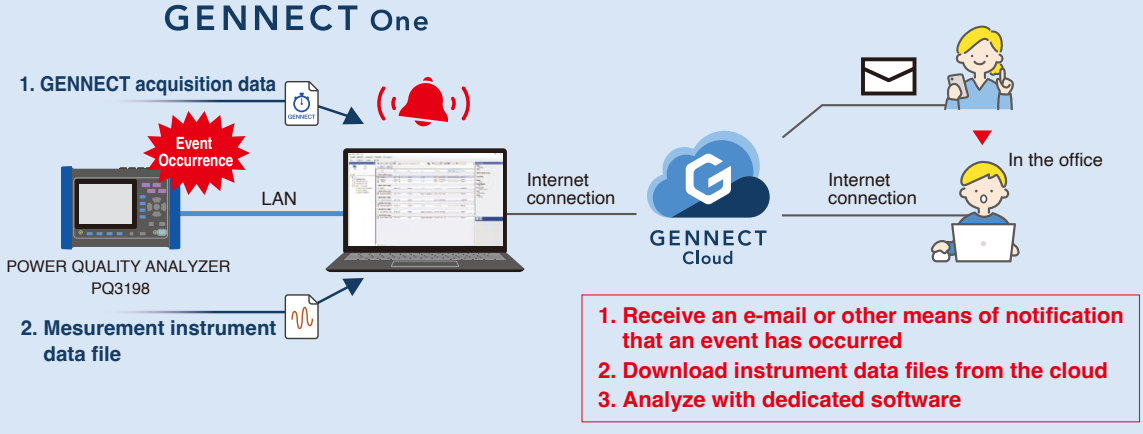
Remote logging system

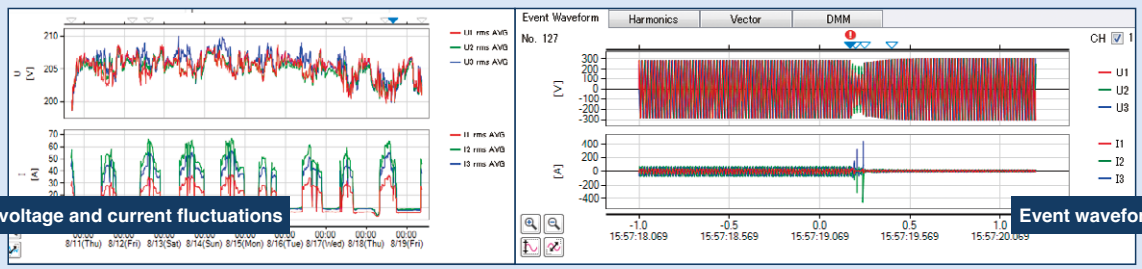
Logging data sampled at a 1 min. interval from instruments connected to GENNECT One (GENNECT acquisition data) is saved in the cloud.
Users can log in to the cloud from a remote location and review this data in real time.In addition, data files generated by instruments can be uploaded to the cloud, eliminating the need to retrieve data manually.



Immediate notification of any power quality anomalies for immediate analysis

When the power quality analyzer in this example detects a power quality event, it automatically saves the event data to the cloud and an alarm is notified.
When you receive an alarm, you can download the event data and start analyzing it immediately.





PQ ONE (dedicated software that ships with the PQ3198)

Supported instruments

	Remote measurement mode*1	Logging, dashboard	File downloading (Manual)*2	File transfers (Automatic)	Remote control	Instrument configuration	Automatic time sync*4	Time series Viewer	Firmware Upgrade for Measuring Instruments
	On LAN								
Power Quality Analyzer									
PQ3100, PQ3198	✓	✓	✓	✓	✓	✓*5	✓	–	–
Clamp On Power Logger									
PW3360, PW3365	✓	✓	✓	✓	✓	✓*5 *6	✓	✓	–
Power Analyzer									
PW3390	✓	✓	✓	–	✓	✓*5	✓	–	–
PW4001	✓	✓	✓	✓	✓	✓*5	✓	✓	✓
PW8001	✓	✓	✓	✓	✓	✓*5	✓	✓	✓
Power Meter									
PW3335, PW3336, PW3337	✓	✓	–	–	✓	✓*5 *6	–	–	–
Data Logger									
LR8450, LR8450-01	✓	✓	✓	✓	✓	✓*5 *6	✓	✓	✓
LR8101, LR8102	✓	✓	✓	✓	✓	✓*6	✓	✓	✓
LR5000 series	–	–	–	–	–	–	–	✓*3	–
Memory HiCorder									
MR8848	✓	✓	✓	✓	✓	✓*5	✓	–	✓
MR6000	✓	✓	✓	✓	✓	✓*5	✓	–	–
Battery Tester									
BT3554-50	–	–	✓(via USB)	–	–	✓	–	–	–
BT4560-50, BT4560-60	✓	✓	–	–	–	–	–	–	–
BT6065, BT6075	✓	✓	–	–	–	✓*6	–	–	✓
Insulation Tester									
BT5525	✓	✓	–	–	–	✓*6	–	–	–
ST5680	✓	✓	–	–	–	–	✓	–	–
LCR Meter									
IM3523A	✓	✓	–	–	–	–	–	–	–
Resistance Meter									
RM3545A, RM3546	–	✓	–	–	–	–	✓	–	–
DC Volt Meter									
DM7275, DM7276	✓	✓	–	–	–	✓*6	✓	–	–

*1 Requires a GENNECT Cloud account. *2 Supported storage varies by instrument.
*3 Loads files acquired using the LR5000 Utility, a PC application that ships with the Data Mini LR5000 series.
*4 Setting the clock may cause measurement or integration to pause. *5 Instrument can be configured using the remote control function.
*6 Instrument can be configured using the instrument setting function.

System requirements

Supported operating systems	Windows 10 (32-bit, 64-bit), Windows 11
Required software	Microsoft .NET Framework 4.6.2 or later
CPU	2 GHz or better
RAM	4 GB or better
Display	Resolution: 1,366 × 768 or better
Hard disk	At least 1 GB free space

Downloading GENNECT One

GENNECT One is a free application.
It can be downloaded from the following address:

https://www.gennect.net/ja/one/download

GENNECT Cloud

To create an account

https://cloud.gennect.net

GENNECT More information

GENNECT website

The following site provides detailed information about GENNECT One and other apps:

https://www.gennect.net/en

HIOKI

HIOKI E. E. CORPORATION

DISTRIBUTED BY

HEADQUARTERS
81 Koizumi,
Ueda, Nagano 386-1192 Japan
https://www.hioki.com/

Scan for all regional contact information

All information correct as of Sep. 30, 2026. Contents are subject to change without notice.
Unauthorized reproduction or duplication of this publication, in whole or in part, is strictly prohibited without prior written permission from Hioki.
Company names and product names appearing in this document are trademarks or registered trademarks of various companies.
© HIOKI E.E. CORPORATION

SF4000E12-69E