HIOKI

GENNECT Space SF4300

NEW

Analysis software that integrates data from multiple instruments and links it to real-world events

GENNECT Space

Observe data and phenomena on a unified time axis

1 ms interval	3000 ch	30 instruments
LAN connection	CAN supported	Free software

Video captured with a standard USB camera or thermal camera can be synchronized with recorded measurement data. By viewing numerical changes alongside what physically occurred at that moment, you can understand the situation intuitively and in context.

Available for download

Explore your measurement space with practical example data.

On the download page, please search for this application using “GENNECT Space” or “SF4300”.

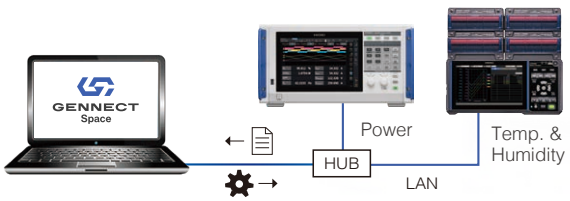
https://cloud.gennect.net/dl

For Windows PC

Install Gennect Space SF4300 on your Windows PC

Data logging and real-time display

Real-time measurement and monitoring on a PC



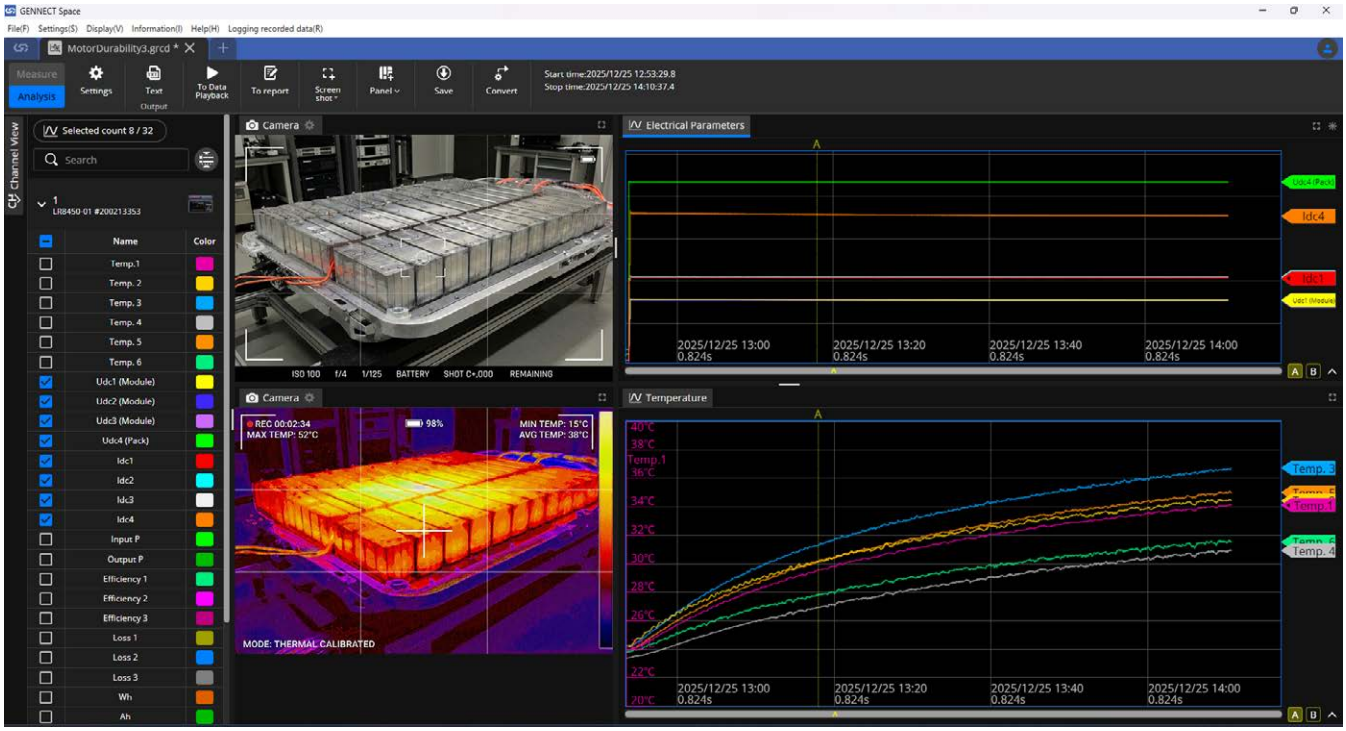
Integrate multiple instruments without coding

Gennect Space is dedicated PC software for integrating data from multiple Hioki instruments. It enables high-speed data logging without programming skills.

- Simultaneous logging as quickly as 1 ms when combined with loggers, power analyzers, and other instruments
- Real-time graphical display of logging data
- Synchronized recording with video and map data*1 using standard USB cameras, thermal cameras, and GPS antenna
  *1: In Version 1.0, map data may not be available in certain regions (China).
- Save logged data in binary (.grcd) or text (.csv, .txt) formats
- Change instrument settings remotely

Measurement application

GENNECT Space



Intuitive data analysis with synchronized video and thermal imaging

Gennect Space synchronizes data logger and power analyzer measurement data with video from a USB camera or thermal imager connected to a PC. By reviewing numerical data together with visual and thermal imaging, temperature distribution and changes can be understood intuitively during and after long-duration tests. This makes it easier to identify behavior and trends that are difficult to interpret from numbers alone, improving analysis and evaluation efficiency.

Application Note

https://www.hioki.com/global/learning/applications/detail/id_n1385378

Battery pack evaluation

- Measurement of battery cell temperature distribution
- Verification of BMS thermistor measurements
- Cell temperature monitoring during charge and discharge testing

Application Note

https://www.hioki.com/global/learning/applications/detail/id_n1384362

Motor durability testing

- Internal motor temperature measurement
- Motor vibration measurement
- Resistance measurement of built-in thermistors

GENNECT Space SF4300

Supported measurement instruments

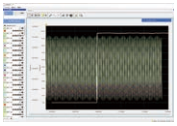
Power Analyzer	PW8001, PW4001
Memory HiLogger	LR8450
Data Logger	LR8101, LR8102

More instruments coming soon.

SF4300 Website

https://www.hioki.com/global/products/specialized-solutions/connecting-instruments/id_1385614

Related product



GENNECT One

For unsupported instruments, please use Gennect One

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