

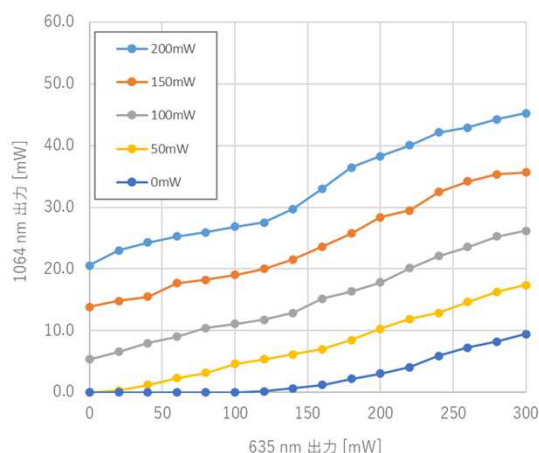
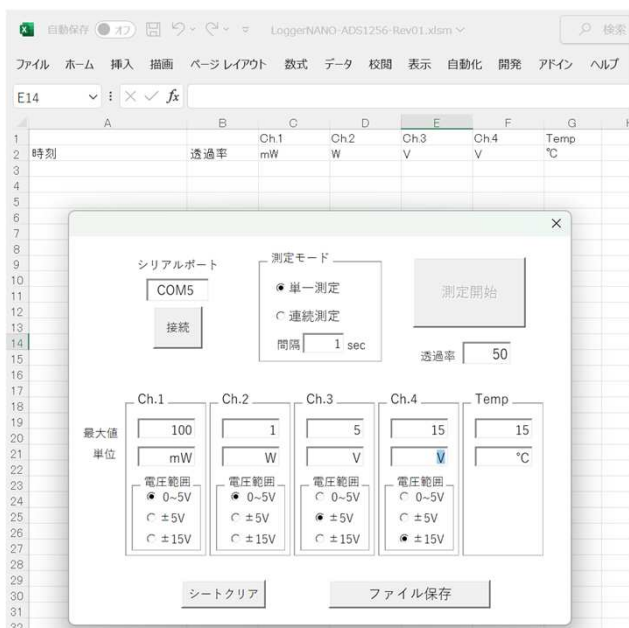
Data Logger "Geki-LOGGER"

Innovative technology with data loggers that visualize data in real time

Our analog voltage input data logger (4 channels), utilizing cutting edge technology, sets itself apart from conventional data logger. Unlike traditional data loggers that require offline processing and analysis of collected data to create graphs, our device revolutionizes this process by visually representing data in real-time.

One notable feature is real-time data visualization. It simultaneously processes analog voltage inputs and directly plots the data series onto pre-defined graph formats. The device captures real-time data changes through regularly updated graphs, enabling quick and effective decision-making. It also facilitates easy reconsideration of measurements. Moreover, the device prioritizes user-friendliness, allowing for intuitive operations and direct data visualization. In contrast to typical conventional data loggers that involve offline processes like acquiring CSV data, reading it into Excel, and graphing, our logger stands out. It goes beyond merely measuring and displaying the result of voltage V_1 ; it lacks the ability to sequentially display V_1^2 or graphically represent $I_1 \times V_2$.

Our 4-channel data logger combines advanced technology with a user-friendly design, establishing a new standard for acquisition and analysis. It offers two data input modes: sequential loading via keyboard operation and interval loading every T seconds. Additionally, it is expandable with an optional port for K-type thermocouples.



Acquiring data and drawing graphs sequentially

Operation screen with Excel VBA



4-channel inputs
(Axial SMA connectors)



K-type thermocouple terminal
and USB B connector

Data Logger “Geki-LOGGER”

Item	Type	Measuring range and other specifications	Remarks
Input	Input voltage	0V ~ 5V mode -5V ~ 5V mode 0V ~ 20V mode -20V ~ 20V mode (Over Voltage Protection Circuit)	Axial SMA connector (BNC connector) Input impedance > 1M ohm
	Sampling frequency	max. 1.6kHz 1ch mode max. 50Hz 4ch mode	Continuous-mode (Upto 100Hz) or Interval-mode
Output	Excel	Resolution A 0.1mV error <2% B 1.0mV error <2%	24bit ADC differential mode
PC interface	USB	Type C	Supported cables USB A-to-USB C USB C-to-USB-C
Channel number		4 ch	Axial SMA connector
K-type thermocouple port		-200 ~ 700°C accuracy of ±2°C	
Power supply	not required	Supplied through USB port	
Size	Aluminum case	Depth 155 mm +α Width 95 mm Height 55 mm Weight 1.0 kg	
Rated voltage	Power consumption	Less than 1.0W	
Environmental friendliness	operation storage	0~50°C 0~50°C	Condensation-free environment required
Control application	VBA	Microsoft Excel	