GRAPHTEC

ALTHEN SENSORS & CONTROLS

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Applications

Electric Equipment Manufacturers

Electric equipment

Performance Testing for Air Conditioning Systems

(Measuring the temperature changes in various points using multiple channel configuration on the GL820)

The basic functions of air conditioners are heating, cooling, and dehumidification. Monitoring the temperature changes in different parts of the room would be required for evaluating the basic changes in temperature factors.

Recommended model

GL820

Outline of the Measuring Conditions

Sampling interval : 10s or slower

Number of Channels : 20ch or more

Interface : Ethernet (LAN)

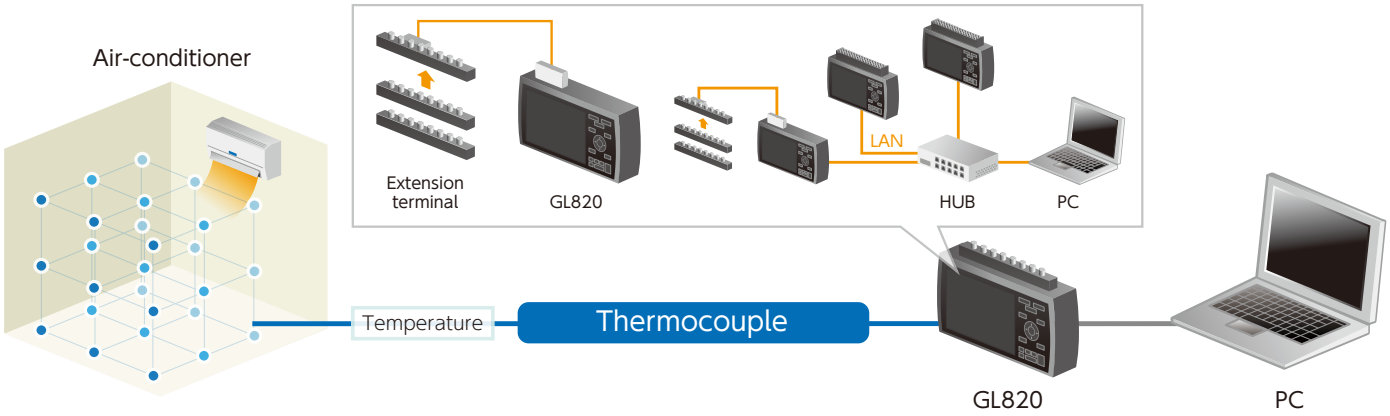
Recommended Sensors

Temperature

Thermocouple

Advantages in using Graphtec Datalogger

① Up to 500 channels can be controlled from one PC
② Easily connect your PC via USB or LAN interface
③ Setup your sensors with removable terminals
④ Simple analysis tool using CSV file format in Excel, LabView, Matlab, etc.



Multi-channel logger

midi LOGGER GL820

- Modular system allows up to 200 channels
- Maximum sampling rate of up to 10 ms
- Equipped with a 5.7-inch TFT color LCD display
- Large built-in 2 GB Flash Memory

MAX 10ms*1 Sampling | ΣΔ type A/D converter | Temp. Humidity/Voltage Pulse Logic input

Up to 200*2 ch | LAN USB USB Memory

*1 Maximum sampling is achieved only when 1 channel is being used.
*2 The standard configuration has 20 analog input channels.

Voltage	20 mV to 50 V
Temp.	Thermocouple types: K, J, E, T, R, S, B, N, W (WRe5-26) RTD types: Pt100 (IEC751), JPt100 (JIS), Pt1000 (IEC751)
Humidity	0 to 100% RH using the optional humidity sensor (B-530 option)
Pulse	4 channels*3 Accumulating, Instant or RPM count
Logic	4 channels*3

*3: Select either Pulse input or Logic input, and use the optional Input / Output cable (B-513 option).