



Evaluation Testing for Refrigeration Units in Development Stage

(Measure the temperature schematic for multiple refrigerators using GL820)

During the evaluation testing for refrigerators, various temperature points are taken and used for temperature analysis including cold room temperature distribution, coolant performances and compressor temperature breakdown, etc. Multi-channel analysis using the GL820 is an efficient tool in order to tackle all of these analyses at one time.

Recommended model

GL820

Recommended Sensors

Temperature

Thermocouple

Outline of the Measuring Conditions

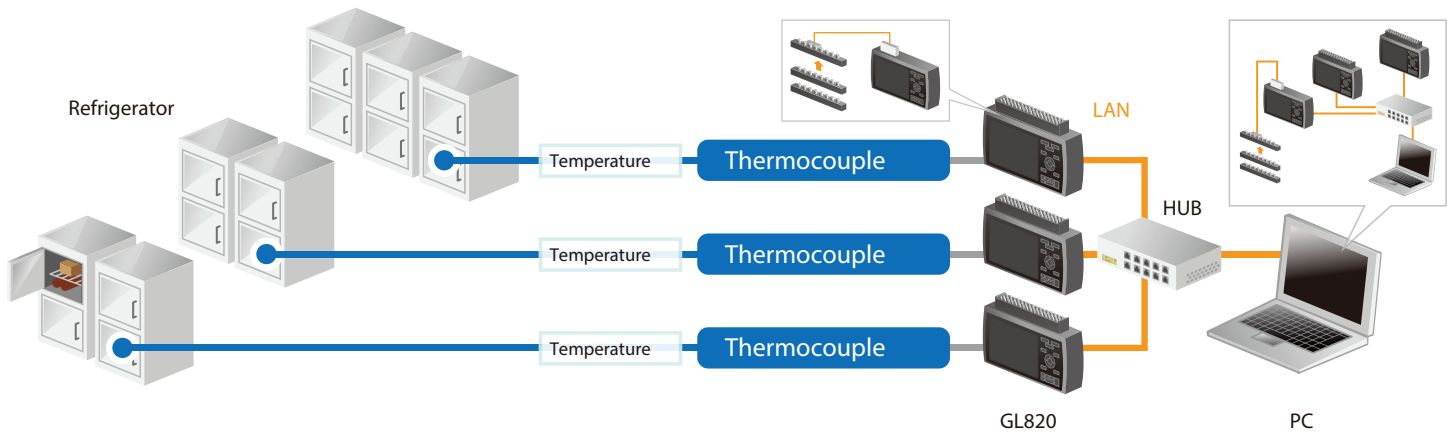
Sampling interval : 1s or slower

Number of channel : 20ch or more

Interface: Ethernet (LAN)

Advantages in using Graphtec Datalogger

- ① Up to 500channels 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-chamel logger midi **LOGGER GL820**



MAX 10ms ^{*1} Sampling	$\Sigma \Delta$ type A/D converter	Temp. Humidity/Voltage Pulse Logic input
Up to 200 ^{*2} ch	LAN 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, ER, 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).

- 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