Applications

Electric Equipment Manufacturers

Electric equipment

Environmental Testing for Electronic Components

(Measure operating conditions and temperature cycles for components being heated in test chambers using GL820 or MT100)

In many cases, an environmental test chamber is located in a separate building or room. When an operator checks the result of some environmental tests, it is difficult to capture the result unless the operator walks back and forth between the building/room. With the GL820's LAN connectivity, an operator can mount the GL820 near the test chamber and monitor the result remotely. MT100 also allows an embedded solution to proprietary environmental test chambers. GL820 and MT100 provides an easy-to-use and efficient solution for environmental test chamber analysis.

Recommended model

GL820 or MT100

Recommended Sensors

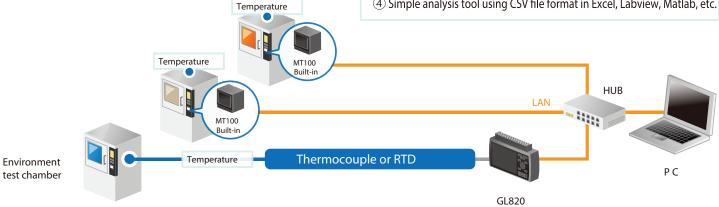| Temperature	Thermocouple or RTD

Outline of the Measuring Conditions

Sampling interval: 1minute

Interface : Ethernet (LAN)

Advantages in using Graphtec Datalogger

① Easily connect your PC via USB or LAN interface

② APS (Application Software) is a standard accessory

③ Easily connect Thermocouple and RTD sensors

④ Simple analysis tool using CSV file format in Excel, Labview, Matlab, etc.

Multi-channel logger
midi LOGGER GL820

MAX 10ms[*1] **Sampling**

ΣΔ 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.

▪ 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 2GB Flash memory

Voltage	20 mV to 50 V
Temp.	Thermocouple types: K, J, T, E, 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).

Paperless Recorder
MOUNTCORDER MT100

MAX 100ms Sampling

Temp. Humidity/Voltage Pulse Logic input

10 ch

LAN USB Memory

Front panel IP-65 Complied

▪ Multifunction input on 10 isolated channels
▪ Data can be directly captured onto a USB memory device
▪ Dust proof, moisture proof, vibration resistant
▪ Easy-to-view waveform display similar to chart recorders
▪ 144(W) x 144(H) x 200(D)mm space saving design

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