GRAPHTEC
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Applications

Automotive Manufacturers

Transportation

Environmental Resistance Testing for Automotive Industry

(Measuring temperature, humidity, vehicle speed using GL820)

Present day vehicles are used in various harsh environments due to the progression of the automotive technology available in the market place. With that, the requirements for driving performances, safety, and comfort have increased and so to have the evaluation testing for various stages in automotive development. Using the chassis dynamo test rooms, real world vehicle conditions are simulated and evaluated in depth. These testings are crucial in improving the reliability for safety, pollution control, and energy saving measures.

Recommended model

GL820

Outline of Measuring Conditions

Sampling interval : 1s or slower

Number of channel : 20ch or more

Interface : Ethernet (LAN)

Recommended Sensors

Temperature	Thermocouple
Humidity	Humidity sensor
Vehicle speed	Rotation detection sensor (pulse output)

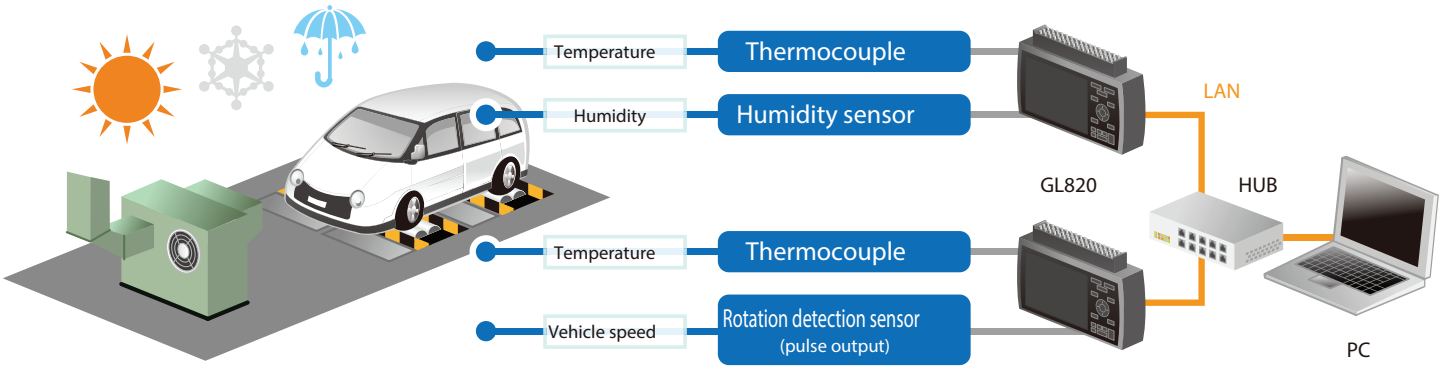
Advantages in using Graphtec Datalogger

① Expandability of 20 channel blocks based on testing purposes

② Easily connect your PC via USB or LAN interface

③ Monitor signals via Application Software

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



All-weather type chassis dynamo test equipment

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, 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).