GRAPHTEC

Application:

Performance test for Electric drive Vehicle



s) Research & Development

Ref. No.: AP0269

Measuring the voltage, current, and temperature using GL7000

Electric drive vehicle (EV) is being developed as a vehicle that does not affect the environment. Research on the motor and its drive system is being executed for more higher efficiency. The drive voltage and current, and other parameters are measured to check its performance.

Model & its Configuration Outline of the Measuring Conditions GL7000 + GL7-M + GL7-HSV + GL7-HV + GL7-DISP Sampling: 1 MS/s - 1 kS/s (1 µs - 1 ms) Measure time: 1 - 30 minutes Outline of Measuring items & its Sensors Channel: 6 channels Temperature Thermocouple Advantages in using Graphtec Product Currents Clamp sensor 1. Long-term measurement in a high-speed sampling 2. Easy operation by touch panel N/A Voltage 3. Wide range of input voltage; up to 1000V in GL7-HV



Modular Type Data Acquisition Unit DATA PLATFORM GL7000



^{*} Display and modules are optional

- Input modules can be expanded to accommodate wide variety of measurements (expand up to 10 modules)
- Attaching the high-definition display module with a touch panel capability allows both stand-alone operation and a systemembedded solution
- 2 interfaces to connect the GL7000 to PC (USB and Ethernet)
- 4 destinations to save the captured data (Built-in RAM, Built-in Flash memory, SD memory card, and SSD module)
- Software for high performance and easy operation (GL-Connection)



Module GL7-M



Module GL7-HSV



Maximum input voltage 100 V

Module GL7-HV

