

Measuring the control signal in the power plant by using GL7000

Actuating device (actuator), such as a motor or solenoid valve has been widely used in a variety of operations, including the valve opening and closing of the piping in the power plant. Operation of the actuator is directly linked to safe operation of the power plant. New type of actuator is developing. The control signal and the correspondence of the actuator are measured in R&D stage. It is particularly important matters in the nuclear power plant.

Model & its Configuration

GL7000 + GL7-HSV + GL7-SSD + GL7-DISP

Outline of Measuring items & its Sensors

Voltage

N/A

Outline of the Measuring Conditions

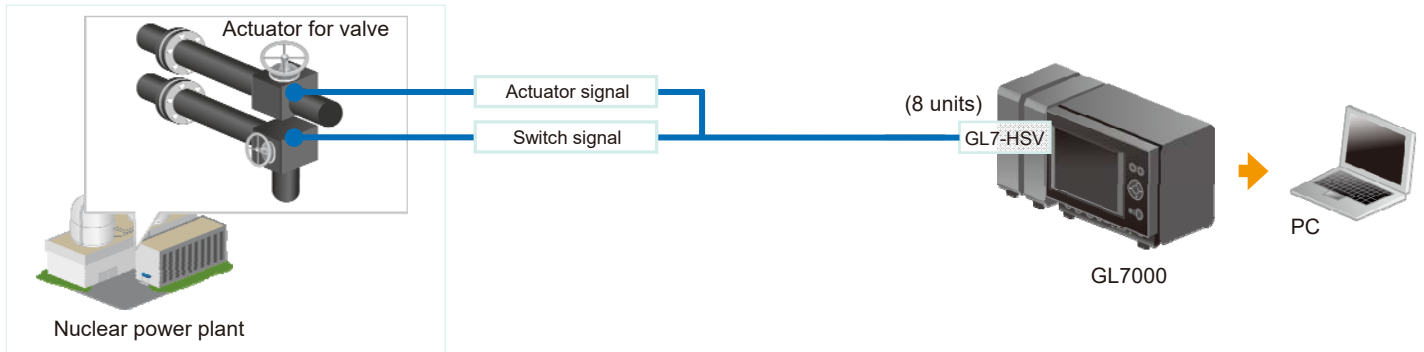
Sampling: 200 kS/s (5 μ s)

Channel: 32 channels

Measuring time: 10 seconds

Advantages in using Graphtec Product

1. Long-term measurement in a high-speed sampling by using the SSD
2. Wide-bandwidth with faster sampling
3. Multi-channel, expandable by adding module



Modular Type Data Acquisition Unit DATA PLATFORM GL7000



- High Speed
- Multi-channels
- High Voltage
- Large Memory Capacity

* 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 system-embedded 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-HSV



High speed
4ch/unit

Max.
1MS/s
(1 μ s)

Simultaneous sampling
Isolated

Measurement of parameters in the inverter system, vibration testing, impact test, drop test are typical applications.

- 1 M Samples/s (1 μ s) high speed simultaneous sampling
- 4 channels / unit
- Maximum input voltage 100 V

