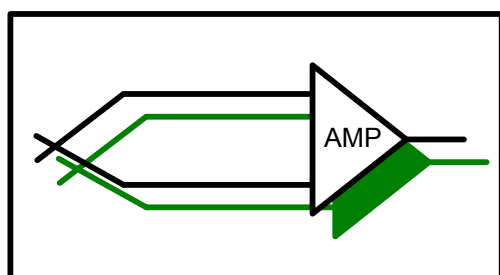


Evaluate the Amplification Quality of Sensors

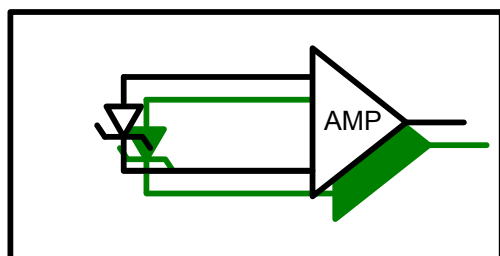
Check the operation of amplifiers that receive the output of sensors such as a thermocouple and photodiode.

■ Highlights

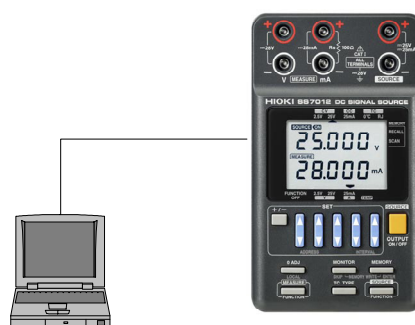
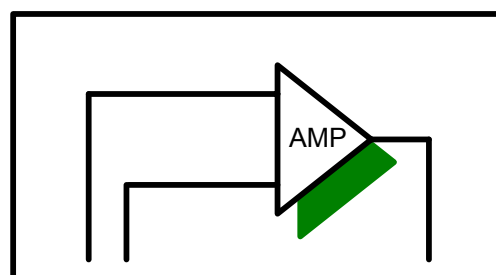
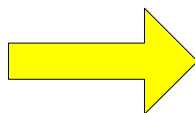
- You can use the SS7012 DC Signal Source as a simulated signal source for sensors such as a thermocouple and photodiode and at the same time as a measuring instrument to measure the output voltage (current). Since generation and measurement are isolated, there is no interference between input and output.
- You can use the SS7012 DC Signal Source as a source of signals of up to ± 25 V and ± 25 mA and at the same time measure the output of up to ± 28 V and ± 28 mA. The minimum resolution of generation and measurement is both $100 \mu\text{V}$ and $1 \mu\text{A}$.
- The SS7012 is powered by batteries (Ni-MH or alkaline) or an AC adapter.



Thermocouple circuit



Photodiode circuit



DC SIGNAL SOURCE SS7012

Sensor amplifier circuit diagram

Sensor amplifier evaluation diagram

Add an output of the SS7012 DC Signal Source to the sensor amplifier circuit and confirm the return of the designed output .

You can download the PC sample software from the website.

Products used

DC SIGNAL SOURCE SS7012
 AC ADAPTER (US) 9445-02
 AC ADAPTER (EU) 9445-03
 COMMUNICATION PACKAGE SS9000
 RJ SENSOR 9184