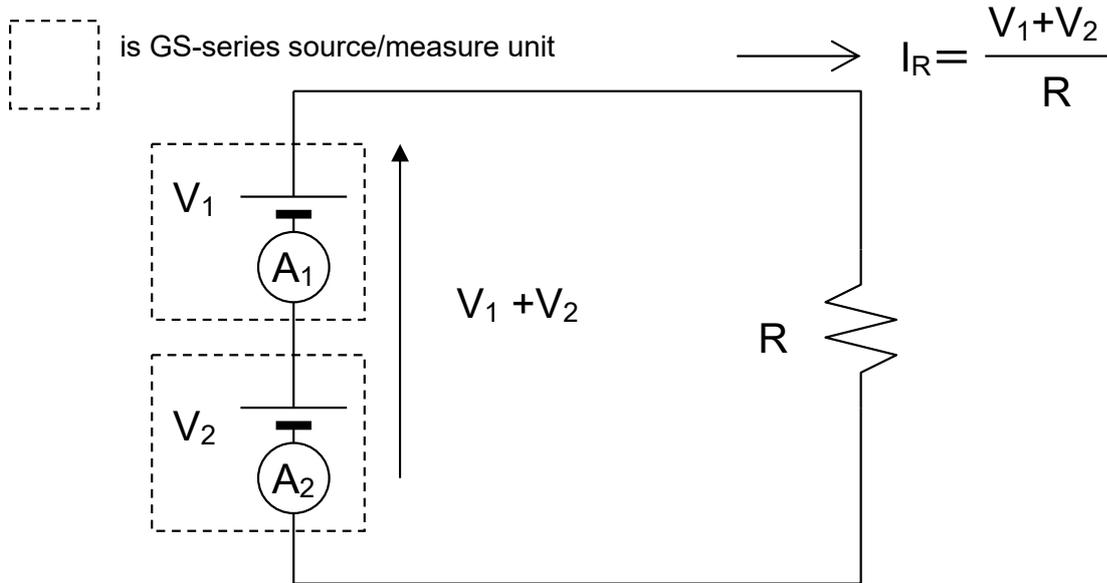


Series connection of voltage source

In order to boost the output voltage of GS over than its specification, you can connect multiple GS units in series as shown below. Each GS outputs V_1 and V_2 , therefore the total voltage will be V_1+V_2 , so the current I_R will be as shown below. It is necessary to keep the total voltage within the maximum common-mode voltage (which is 250 V peak, across each terminal and case for GS-series) and the load current I_R within the current limiter value. In this case, the measured current values, A_1 and A_2 , will be the same, setting aside the measurement error.



Parallel connection of current source

In order to boost the output current of GS over then its specification, you can connect multiple GS units in parallel as shown below. Each GS outputs I_1 and I_2 , therefore the total current will be $I_1 + I_2$, and the voltage V_R will be as shown below. It is necessary to keep the total current within the maximum allowable current of cable/connector and the load current V_R within the voltage limiter value. In this case, the measured voltage values, V_1 and V_2 , will be the same, setting aside the measurement error.

