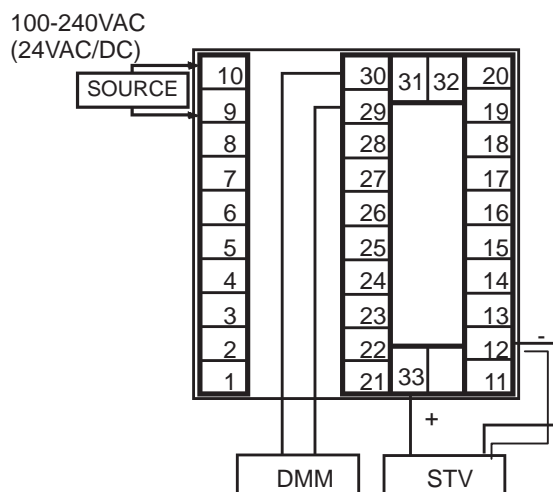
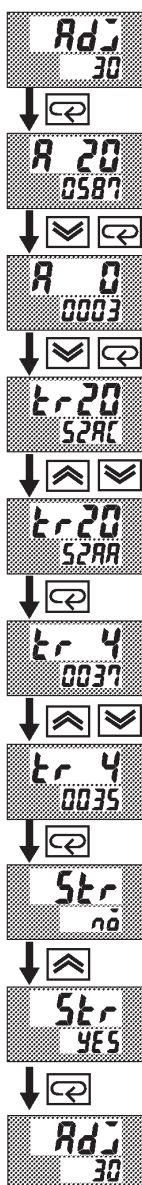


Calibrating Current Input

Preparation



Calibration



- In the above figure, STV refers to a standard DC current/voltage source, and DMM refers to a precision digital multimeter. However, note that the DMM is required only when the transfer output function is supported.

This example describes how to calibrate a platinum resistance thermometer when the transfer output function is supported. If the transfer output function is not supported, skips steps (4) to (7).

- (1) When [**AdJ**] is displayed, the 30-minute timer is displayed on the No.2 display and counts down. This timer serves as a guide for the aging time when aging is required.
- (2) Press the **[]** key. The display changes to [**R 20**] (20 mA calibration display). Set the STV output to 20 mA. When the value on the No.2 display has stabilized (changes of several digits max.), press the **[]** key to temporarily store the calibration data.
- (3) Press the **[]** key. The display changes to [**R 0**] (0 mA calibration display). Set the STV output to 0 mA. When the value on the No.2 display has stabilized (changes of several digits max.), press the **[]** key to temporarily store the calibration data.
- (4) Next, calibrate the transfer output function. If the transfer output function is not supported, skip to step (8). Press the **[]** key. The display changes to [**tR 20**] (20 mA calibration display).
- (5) Set the output to 20 mA by the **[]** or **[]** keys while monitoring the voltage on the digital multimeter. In the example on the left, the display indicates that the value two digits smaller than before calibration is "20 mA".
- (6) Press the **[]** key. The display changes to [**tR 4**] (4 mA calibration display).
- (7) Set the output to 4 mA by the **[]** or **[]** keys while monitoring the voltage on the digital multimeter. In the example on the left, the display indicates that the value two digits smaller than before calibration is "4 mA".
- (8) Press the **[]** key until the display changes to the data store display. Press the **[]** key. The No.2 display changes to [**4E5**], and two seconds later the calibration data is stored to internal memory. If you press the **[]** key when the No.2 display reads [**na**], the calibration data is disabled.
- (9) This completes calibration of the current input. Press the **[]** key to return the display to [**AdJ**].