

CAUTION

The 200mV range (6 1/2 digit display) provides a resolution of 0.1 μ V/digit). When making measurements, therefore, careful attention should be paid to the occurrence of a thermal electromotive force.

A thermal electromotive force of several microvoltages to ten microvoltages per degree C may develop in the form of a thermocouple effect if temperature differences occur in signal wire connections between the clip terminals of measured signals and the input section of the R6871E/E-DC. This thermal electromotive force, if generated, will be added up for each wire connection, appear as zero drift, and thus result in significant measurement errors.

Therefore, strictly observe the following precautions:

(1) Notes on the connections of the measurement terminals

- Keep your hands away from the end of an input cable during measurement.
- Read the measured data only after a sufficient temperature balance has been attained.
- Do not make measurements in places where air circulates.

(2) Notes on the ambient conditions of the R6871E/E-DC

- Allow a sufficient warm-up time (approximately 60 minutes) after power has been turned on.
- Also take a sufficient warm-up time when making measurements in places where significant temperature differences occur.
- Avoid installing the R6871E/E-DC in places where air circulates.