6. OPERATING INSTRUCTIONS

6-1 Current Measurement

● Follow the Range Selector Switch to the desired position. Current measurement should be within the selected measuring range. Alternatively, the approximate measurement range can also be displayed on the LCD screen.

● Ensure that the battery compartment cover is closed.

6-2 How to Use Frequency Selector Button

● When measuring frequency, in addition to selecting a range by pressing the Range Selector Switch, press the Frequency Selector Button. Confirm theselected frequency range can be displayed on the LCD screen for easy reading.

6-3 Peak Current Measurement

(1) Select the Range Selector Switch to the desired position. (Current measurement range should not exceed the maximum current measured.)

(2) Using the <INPUT> knob, select a frequency range to measure the fundamental frequency.

(3) Clamp the conductor with Model 8004 and 8008 (Multi-Tran) as shown in the diagram. If the Auto-Power-Off function is activated, do not forget to set the Auto-Power-Off function (DIP switch 3) to OFF position before removing the conductor from the instrument. When the reading is completed, replace the batteries according to section 8 Battery Replacement.

6-4 Other Functions

7-1 Auto-Power-Off Function

This function is to prevent the instrument from being left powered on and conserve battery power. The instrument automatically turns off after a certain period of time while the data hold function is enabled. To cancel the Auto-Power-Off function, turn the Range Selector Switch to DIP, refer to the desired position. Disabling Auto-Power-Off Function: To disable the auto-power-off function, power on the instrument with the data hold function turned off. Press the Data Hold Button, the data hold function will be turned off. When the data hold function is turned off, press the Auto-Power-Off Function Switch to disable the function.

7-2 Date Hold Function

This function is to freeze the readings on the display. When the Data Hold Button is pressed, the data hold function is turned on in the normal measurement mode. When the Data Hold Button is pressed again, the data hold function is turned off. When the data hold function is turned off, press the Auto-Power-Off Function Switch to enable the function.

7-3 Specifications

3-5 Preparations for Measurement

5-1 Checking Battery Voltage

Set the Range Selector Switch to any position other than the OFF position. If the display on the battery voltage is blank, replace the batteries with two new R03 (UM-4) 1.5V batteries.

5-2 Checking Switch Setting

Make sure that the Range Selector Switch is set to the appropriate position, then turn on the instrument without pressing any buttons.

5-3 Make sure that the data hold function is not installed. If the measurement range is selected on the instrument, measurement data must be reset.

5-4 Battery Replacement

In order to avoid possible shock hazard, never make measurement with the instrument if the range selector switch is set to the position in which the instrument is turned on. Do not perform any measurement with the instrument when the range selector switch is set to the position in which the instrument is turned on. Do not expose the instrument to the direct sun, extreme heat, or humidity. Never exceed the maximum allowable input of any measurement range.

8-1 Battery Replacement

To exit the data hold mode, press the Data Hold Button again. To exit the peak measurement mode, press the Peak Hold Button, then set it in the peak measurement mode with the current measurement.

Authorized distributors listing is located at the end of the manual. Use only batteries specified for the instrument.

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