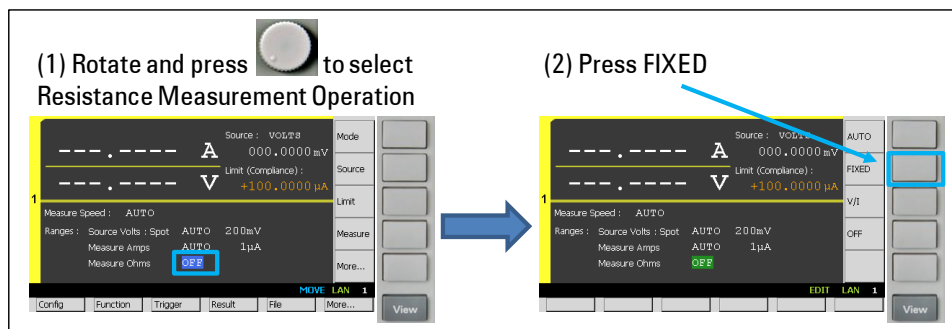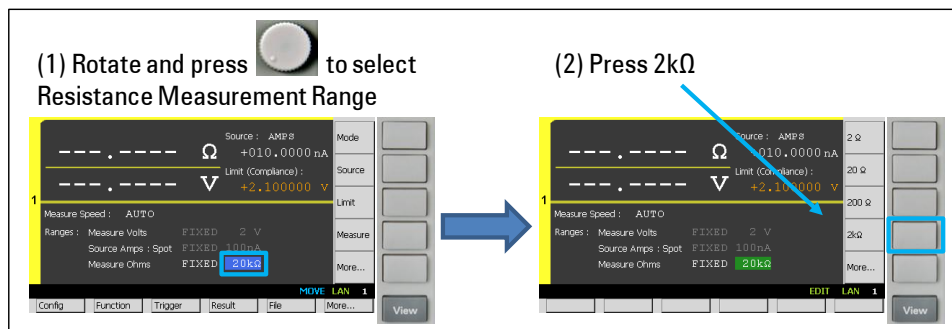## How to enable resistance measurement

The resistance measurement operation is set to OFF in the default setting. To perform resistance measurement, you need to select the operation among AUTO, FIXED and V/I. For AUTO and FIXED, the B2901/02/11/12A performs resistance measurement by using the current source and voltage measure condition automatically set by the resistance measurement range setting. For V/I, the B2901/02/11/12A performs measurement by using the present source/measure condition and calculates the resistance value.

Selecting FIXED operation

Step 1.   Rotate and press [knob] to select the resistance measurement operation, and then select [FIXED] to set it to FIXED.
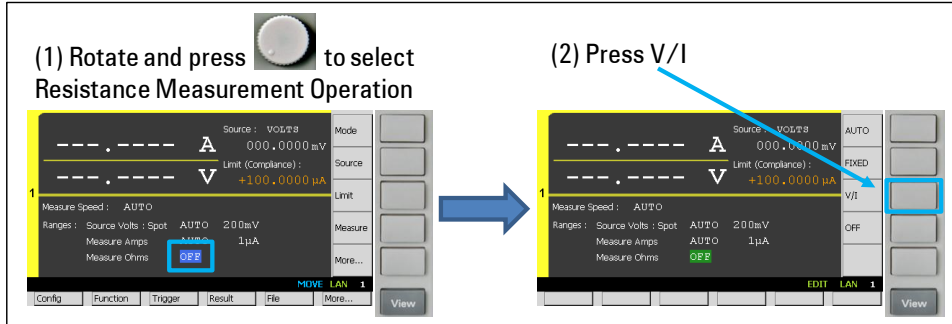

Step 2.   Rotate and press [knob] to select the resistance measurement range, and then select [2kΩ] to set the resistance measurement range to 2 kOhm for example.
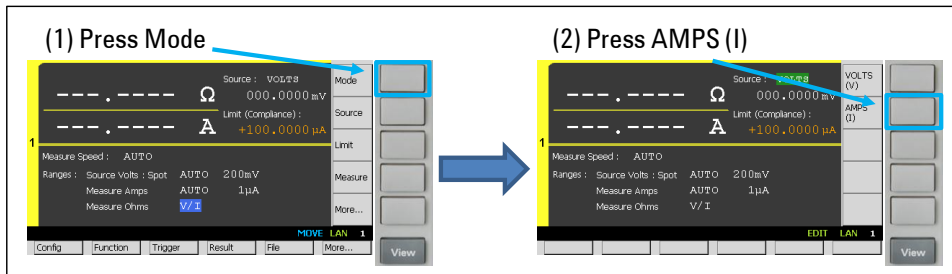

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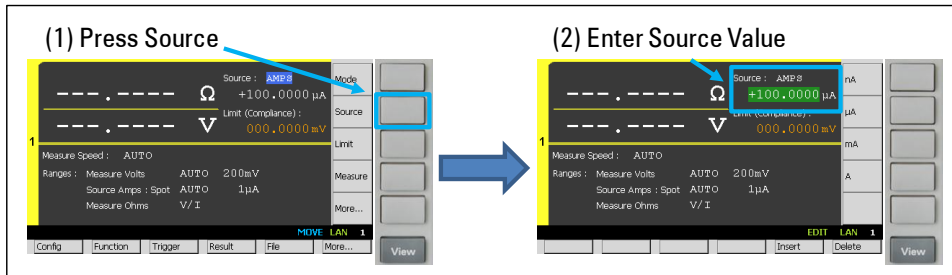
Selecting V/I operation

Step 1.   Rotate and press [knob] to select the resistance measurement operation and then select [V/I] to set the resistance measurement operation to V/I.
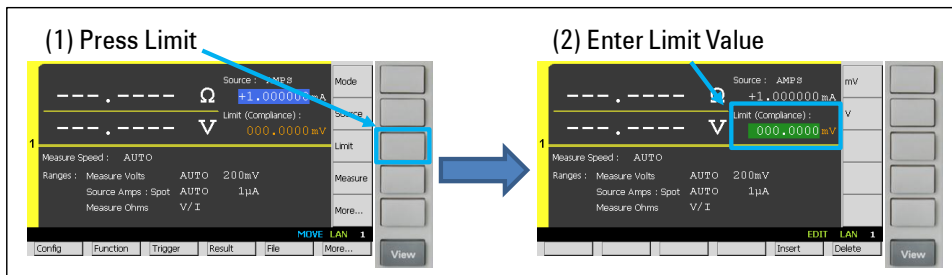

(1) Rotate and press [knob] to select Resistance Measurement Operation

(2) Press V/I

Step 2.   Press [Mode], then press [AMPS (I)] to set Channel 1 V/I Source Function to the current source.

(1) Press Mode

(2) Press AMPS (I)

Step 3.   Press [Source] and set Channel 1 Source Value to 1 mA.

(1) Press Source

(2) Enter Source Value

Step 4.   Press [Limit] and set Channel 1 Limit value to 2 V.

(1) Press Limit

(2) Enter Limit Value
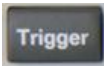
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Selecting AUTO operation

Step 1.   Rotate and press [knob image] to select the resistance measurement operation, and then select [AUTO] to set it to AUTO.
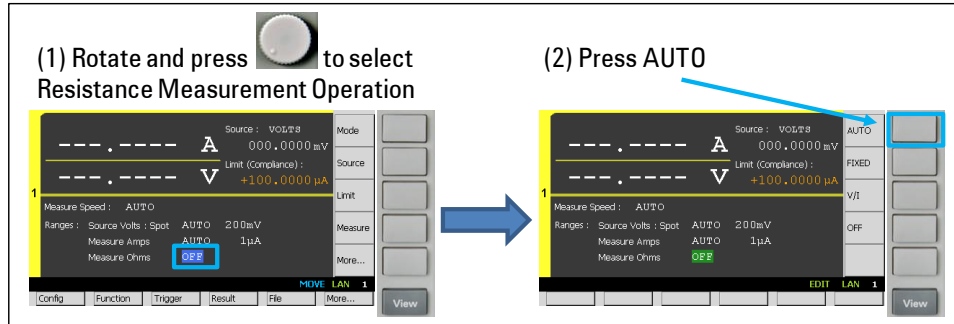
Performing a measurement

Step 1.   Press [On/Off] to source the current.

Step 2.   Press [Trigger] to perform a measurement. Now you can see the measurement result on the GUI of the B2901/02/11/12A as bellow.