

HIOKI

OPERATION GUIDE

7015

SIGNAL SOURCE

HIOKI E. E. CORPORATION

SOURCE FUNCTIONS

1. source DCCV function

- (1) Set the slide switch to **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to CV
- (3) Press **SHIFT** to source standby mode
- (4) Press **MODE** proper times to select 1.5V range or 15V range
- (5) Press  or  to select digit adjustment
- (6) Press  or  to set the value of digit
- (7) Press **OUTPUT** to output DCCV source

2. source DCCC function

- (1) Set the slide switch to **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to CC
- (3) Press **SHIFT** to source standby mode
- (4) Press  or  to select digit adjustment
- (5) Press  or  to set the value of digit
- (6) Press **OUTPUT** to output DCCC source

3. source SCAN DCCV(DCCC) CONTINUOUS function

- (1) Set the slide switch to **M/S** position
 - (2) Rotate FUNCTION SWITCH from OFF to CV(CC)
 - (3) Press **SHIFT** to source standby mode
 - (4) Press **MODE** proper times for **SCAN** (In case CV, also choose 1.5V or 15V range)
 - (5) Press  proper times to select **CONTINUE**
 - (6) Press **OUTPUT** to output DCCV(DCCC) source
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4. source **SCAN DCCV(DCCC) CYCLE** function

- (1) Set the slide switch to **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to CV(CC)
- (3) Press **SHIFT** to source standby mode
- (4) Press **MODE** proper times for **SCAN** (In case CV, also choose 1.5V or 15V range)
- (5) Press **◀** proper times to select **CYCLE**
- (6) Press **OUTPUT** to output DCCV(DCCC) source

5. source **SCAN DCCV(DCCC) STEP** function

- (1) Set the slide switch to **M/S** position
 - (2) Rotate FUNCTION SWITCH from OFF to CV(CC)
 - (3) Press **SHIFT** to source standby mode
 - (4) Press **MODE** proper times for **SCAN** (In case CV, also choose 1.5V or 15V range)
 - (5) Press **◀** proper times to select **STEP**
 - (6) Press **OUTPUT** to output DCCV(DCCC) source
 - (7) Press **▲** or **▼** to change STEP output
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6. source SCAN DCCV(DCCC) output adjustment

- (1) Set the slide switch to **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to CV(CC)
- (3) Press **SHIFT** to source standby mode
- (4) Press **MODE** proper times for **SCAN** (In case CV, also choose 1.5V or 15V range)
- (5) Press **MODE** again and hold 1 second
- (6) Press **MODE** to cycle through STEP, TIME INTERVAL and AMPLITUDE adjustments
- (7) Press **▲** or **▼** to adjust STEP from 1 to 16 and TIME INTERVAL from 0 to 99
- (8) Press **OUTPUT** to save your setting
- (9) Press **MODE** again and hold 1 second

7. source RAMP DCCV(DCCC) CONTINUOUS function

- (1) Set the slide switch to **M/S** position
 - (2) Rotate FUNCTION SWITCH from OFF to CV(CC)
 - (3) Press **SHIFT** to source standby mode
 - (4) Press **MODE** proper times for RAMP (In case CV, also choose 1.5V or 15V range)
 - (5) Press **◀** proper times to select **CONTINUE**
 - (6) Press **OUTPUT** to output DCCV(DCCC) source
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8. source RAMP DCCV(DCCC) CYCLE function

- (1) Set the slide switch to **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to CV(CC)
- (3) Press **SHIFT** to source standby mode
- (4) Press **MODE** proper times for RAMP (In case CV, also choose 1.5V or 15V range)
- (5) Press **◀** proper times to select **CYCLE**
- (6) Press **OUTPUT** to output DCCV(DCCC) source

9. source RAMP DCCV(DCCC) output adjustment

- (1) Set the slide switch to **M/S** position
 - (2) Rotate FUNCTION SWITCH from OFF to CV(CC)
 - (3) Press **SHIFT** to source standby mode
 - (4) Press **MODE** proper times for RAMP (In case CV, also choose 1.5V or 15V range)
 - (5) Press **MODE** again and hold for 1 second
 - (6) Press **MODE** to cycle through POSITION, RESOLUTION and AMPLITUDE adjustments
 - (7) Press **▲** or **▼** to adjust the RESOLUTION from 1 to 999
 - (8) Press **OUTPUT** to save your setting
 - (9) Press **MODE** again and hold 1 second
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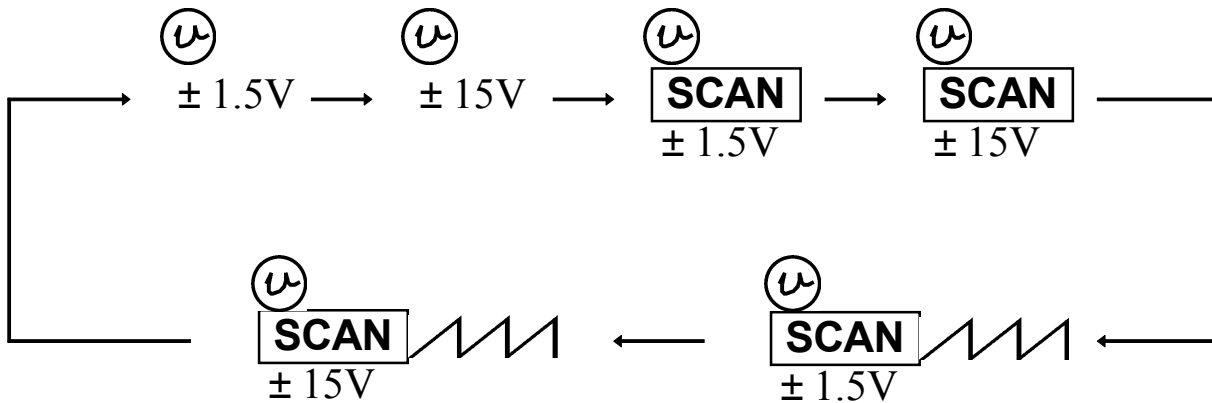
10. source PULSE function

- (1) Set the slide switch to **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to PULSE
- (3) Press **SHIFT** to source standby mode
- (4) Press **▲** or **▼** to select FREQUENCY
- (5) Press **MODE** to display DUTY CYCLE
- (6) Press **▲** or **▼** to adjust the DUTY CYCLE
- (7) Press **MODE** to display PULSE WIDTH
- (8) Press **▲** or **▼** to adjust the PULSE WIDTH
- (9) Press **MODE** to display AMPLITUDE
- (10) Press **▲** or **▼** to select the AMPLITUDE
- (11) Press **OUTPUT** to output PULSE source

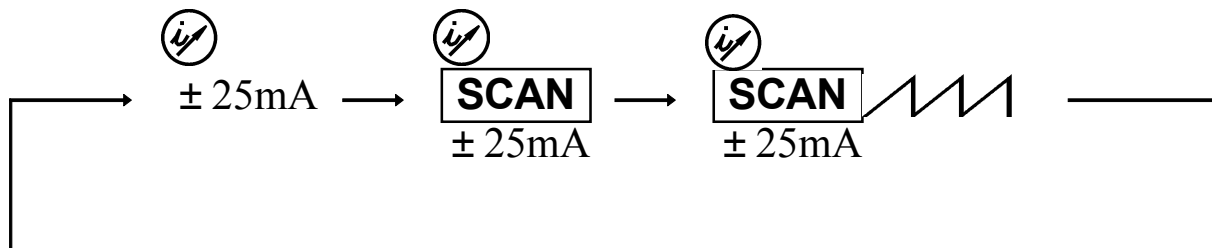
- NOTE**
- Set SLIDE SWITCH to **M/S** position for source functions
 - The inside CIRCLE(FUNCTION) SWITCH labels are for measurement functions
 - The outside CIRCLE(FUNCTION) SWITCH labels are for source functions
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NOTE

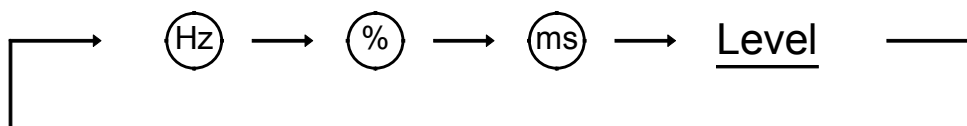
- In case FUNCTION SWITCH is at CV, Press **MODE** to cycle through DCCV 1.5V range, DCCV 15V range, SCAN DCCV 1.5 range, SCAN DCCV 15V range, RAMP SCAN DCCV 1.5V range and RAMP SCAN DCCV 15V range



- In case FUNCTION SWITCH is at CC, Press **MODE** to cycle through DCCC 25mA range, SCAN DCCC 25mA range and RAMP SCAN DCCC 25mA range



- In case FUNCTION SWITCH is at PULSE, Press **MODE** to cycle through FREQUENCY(Hz), DUTY CYCLE(%), PULSE WIDTH(ms) and AMPLITUDE(V)



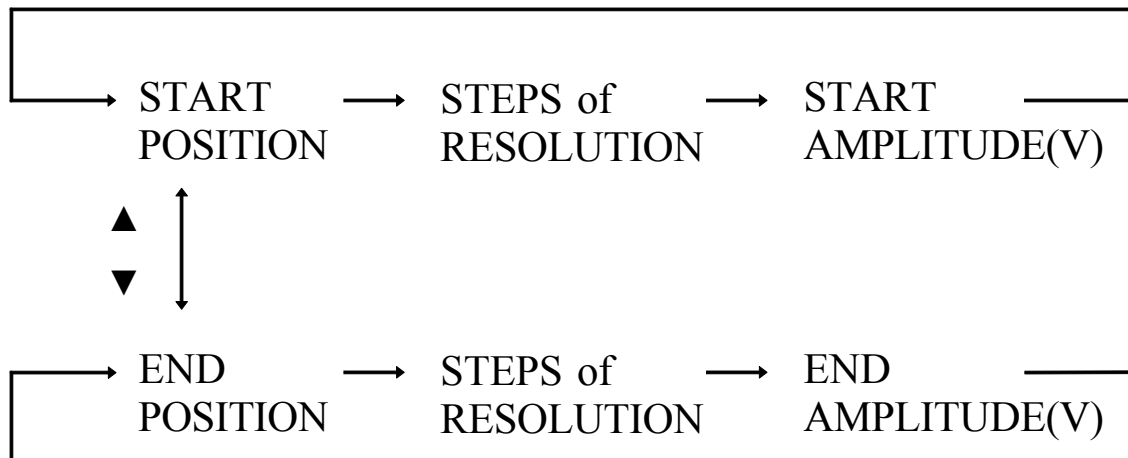
NOTE

- In case source SCAN DCCV(DCCC) output adjustment, Press **MODE** to cycle through STEP(address), INTERVAL TIME(s) and AMPLITUDE(V)



- In case source RAMP SCAN DCCV(DCCC) output adjustment, Press **MODE** to cycle through START POSITION, STEPS of RESOLUTION and START AMPLITUDE(V)

In case you want to change END menu, Press  or  at START POSITION then you can set STEPS of RESOLUTION and END AMPLITUDE(V)



MEASUREMENT FUNCTION

1. measurement DCV(ACV, ACDCV) function

- (1) Set the slide switch to **M** or **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to V or mV
- (3) Press **AC/DC** to select DCV(ACV, ACDCV) measurement

2. measurement DCA(ACA, ACDCA) function

- (1) Set the slide switch to **M** or **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to mA
- (3) Press **AC/DC** to select DCA(ACA, ACDCA) measurement

3. measurement OHM function

- (1) Set the slide switch to **M** or **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to Ω
- (3) Press AC/DC for CONTINUITY

4. measurement TEMPERATURE function

- (1) Set the slide switch to **M** or **M/S** position
 - (2) Rotate FUNCTION SWITCH from OFF to mV
 - (3) Press **REL** (TEMP) and hold for 1 second to display temperature
 - (4) Press DUAL to swap and °F display
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5. measurement **FREQUENCY** function

- (1) Set the slide switch to **M** or **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to V, mV or mA
- (3) Press **Hz** once to display FREQUENCY(Hz)

6. measurement **DUTY CYCLE** function

- (1) Set the slide switch to **M** or **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to V, mV or mA
- (3) Press **Hz** twice to display DUTY CYCLE(%)

7. measurement **PULSE WIDTH** function

- (1) Set the slide switch to **M** or **M/S** position
- (2) Rotate FUNCTION SWITCH from OFF to V, mV or mA
- (3) Press **Hz** three times to display PULSE WIDTH(ms)

8. measurement **DIODE CHECK** function

- (1) Set the slide switch to **M** or **M/S** position
 - (2) Rotate FUNCTION SWITCH from OFF to DIODE
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SPECIAL FUNCTION

1. DYNAMIC RECORDING function

- (1) Press **HOLD** (MAX MIN) and hold 1 second to start recording
- (2) Press **HOLD** (MAX MIN) to cycle through MAX, MIN and AVERAGE
- (3) Press **HOLD** (MAX MIN) and hold for 1 second to stop recording

2. POWER ON OPTION function

Hold the keys listed while turning power on

- | | |
|-----------|--------------------------------------|
| (1) SHIFT | Disable BACKLIGHT 30 seconds timeout |
| (2) AC/DC | Disable AUTO-POWER OFF |
| (3) HOLD | Enable "REFRESH HOLD" |
| (4) REL | Disable BEEPER function |
| (5) RANGE | Select 4,000 COUNT resolution |
| (6) DUAL | Enable the RS-232C INTERFACE |

3. DUAL DISPLAY function

- (1) Rotate FUNCTION SWITCH from OFF to V, mV or mA
 - (2) Press **DUAL** to display FREQUENCY on secondary display
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4. 1ms PEAK HOLD function

- (1) Press **AC/DC** and hold for 1 second to enter PEAK HOLD mode
- (2) Press **HOLD** (MAX MIN) to view + or - peak
- (3) Press **DUAL** to restart peak hold

5. BACKLIGHT

- (1) Press **SHIFT** and hold for 1 second to turn on BACKLIGHT
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