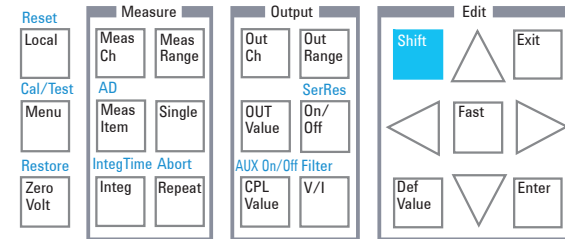




Stat	Meas Value #1	Meas Value #2	Setting Parameter	Shift
C	1.23456mV	1.23456mV	OUT: 1.234mV	
	A	▼ ▼	1 1	CPL: 1.234mA
Remote	Lock	Meas	Trigger	Error
Integ	Output	Repeat	M-ch	S-ch



- Reset** Resets the Agilent E5270B.
- Local** Sets the Agilent E5270B to the local condition.
- Cal/Test** Displays the Calibration/Selftest Menu. Refer to reverse face.
- Menu** Displays the Setup Menu. Refer to reverse face.
- Restore** Restores the source settings stored by the Zero Volt key.
- Zero Volt** Stores the source setup and change the output to 0 V.

Display

- Stat** Displays following status in abnormal condition:
T: Another channel reached its compliance setting.
C: This channel reached its compliance setting.
V: Measurement data exceeds the measurement range.
X: One or more channels are oscillating.
- Meas Value** Displays measurement data; current, voltage, resistance, or power, selected by the Meas Item key.
- Setting Parameter** Displays setup data; output value, compliance value, measurement range value, or error code, selected by the MON_ITEM menu.
- Shift** Indicates if the sub key function is available or not.
- Remote** Indicates the Agilent E5270B operation mode; remote or local.
- Lock** Indicates if the front panel keys are locked or not.
- Meas** Indicates if the measurement is in progress or not.
- Trigger** Displays the trigger wait mode; C (GPIB commnad wait), S (Step source start trigger wait), or M (Step measurement start trigger wait).
- Error** Indicates if an error occurred or not.
- Integ** Displays the integration mode, A(uto), M(anual), or P(LC).
- Output** Indicates if the S-ch is applying output or not. Or indicates that SMU is not available for ASU output.
- Repeat** Indicates if the M-ch is performing repeat measurement or not.

Measure

- Meas Ch** Selects the measurement channel.
- AD** Selects the A/D converter, H-SPEED or H-RESOLN.
- Meas Item** Selects the measurement item, current, voltage, resistance, or power.
- Integ Time** Sets the integration time (for H-RESOLN ADC) or the averaging samples (for H-SPEED ADC).
- Integ** Selects the integration mode, A(uto), M(anual), or P(LC).
- Meas Range** Selects the measurement range for each channel.
- Single** Performs single measurement.
- Abort** Aborts measurement execution.
- Repeat** Performs repeat measurement.

Output

- Out Ch** Selects the output channel.
- OUT Value** Sets the source output value.
- AUX On/Off** Selects ASU input resource. On: AUX side, Off: SMU side.
- CPL Value** Sets the compliance value.
- Out Range** Selects the output range for each channel.
- Ser Res** Connects the built-in series resistor to the channel.
- On/Off** Enables or disables the source output.
- Filter** Connects the built-in filter to the channel.
- V/I** Selects the voltage output or the current output.

Edit

- Shift** Enables the sub key function which label is blue.
- Def Value** Applies the default value to the item in the setup message.
- Fast** Used with the arrow key. Speeds up changing the setting value.
- Exit** Returns the display to the previous one without making the setup effective.
- Enter** Makes the setup effective and returns the display to the previous one.



Calibration/Selftest Menu

AUTO_CAL	AUTO_ZERO	CAL	SELFTEST	▶
◀	AUTO_ZERO	CAL	SELFTEST	DIAG

- AUTO_CAL Sets auto-calibration to ON or OFF.
- ADC_ZERO Sets ADC zero function to ON or OFF.
- CAL
 - EXECUTE Executes self-calibration.
 - RESULT Displays the self-calibration result message.
- SELFTEST
 - EXECUTE Executes self-test.
 - RESULT Displays the self-test result message.
 - RECOVER Enables or disables use of the failed module.
- DIAG
 - EXECUTE Executes diagnostics.
 - RESULT Displays the diagnostics result message.

Monitor Item

- OUT Source output value; voltage or current.
- CPL Compliance value; current for voltage output, or voltage for current output.
- IMR Current measurement range.
- VMR Voltage measurement range.
- ERR Error code.

Display Format

- ENGINEERING Six-digit numeric value with arithmetic point, and unit. Example: -123.456pA
- SCIENTIFIC Four-digit numeric value with arithmetic point, exponential part (E, +/- sign, and one- or two-digit numeric value), and unit.
Example: -1.234E-10A

Setup Menu

CONFIG	MON_ITEM	DSPL_FRMT	▶
◀	WAIT_TIME	ERROR	RMT_DSPL BEEP

- CONFIG
 - ADDRESS Sets the GPIB address.
 - LINEFREQ Sets the power line frequency; 50 Hz or 60 Hz.
 - REVISION Displays the firmware revision.
 - UNIT Displays the module information of each slot.
 - SERIAL Displays the serial number of each module.
- MON_ITEM
 - ITEM1 Selects the item displayed in the Setting Parameter area (upside).
 - ITEM2 Selects the item displayed in the Setting Parameter area (downside). See Monitor Item.
- DSPL_FRMT Selects the data display format; ENGINEERING or SCIENTIFIC. See Display Format.
- WAIT_TIME
 - SOURCE Sets the source wait time.
 - MEASURE Sets the measurement wait time.
- ERROR
 - DISPLAY Displays the error code and error message.
 - CLEAR Clears the error buffer.
- RMT_DSPL Sets the remote display mode to ON or OFF.
- BEEP Sets the beeper to ON or OFF.

