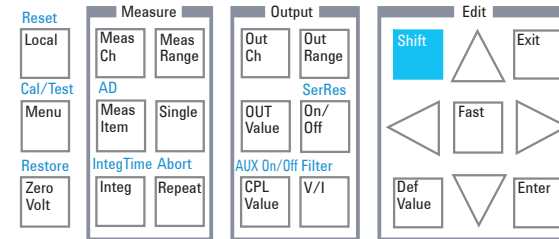




Stat	Meas Value #1	Meas Value #2	Setting Parameter	Shift
C	1.23456mV	1.23456mV	OUT: 1.234mV	
	A	1	CPL: 1.234mA	
Remote	Lock	Meas	Trigger	Error
Integ	Output	Repeat	M-ch	S-ch



- 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.

