Agilent E5260 Series High Speed Measurement Solutions
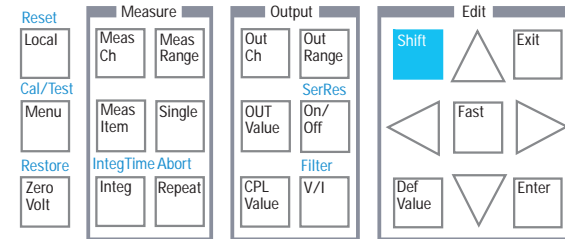
Agilent Technologies

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 — Local — **Cal/Test** — Menu — **Restore** — Zero Volt

Measure — Meas Ch — Meas Range — Meas Item — Single — Integ Time — Integ — **IntegTime Abort** — Integ — Repeat

Output — Out Ch — Out Range — OUT Value — On/Off — **SerRes** — CPL Value — V/I — **Filter**

Edit — Shift — Exit — Fast — Def Value — Enter

Reset	Resets the Agilent E5260.
Local	Sets the Agilent E5260 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 E5260 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.
Repeat	Indicates if the M-ch is performing repeat measurement or not.

Measure

Meas Ch	Selects the measurement channel.
Meas Item	Selects the measurement item, current, voltage, resistance, or power.
Integ Time	Sets the averaging samples.
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.
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.

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.

Calibration/Selftest Menu

AUTO_CAL	Sets auto-calibration 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