Measure functions operate like a DMM.

- Dual-line VFD displays sourced value, measured value, and compliance level.
- Ohms measurements with user-programmable source current or clamp voltage.
- 5½-digit resolution provides sensitivity as low as $10^{-17}$A and 1mV.
- 3-stage limit structure for fast pass/fail testing.
- 5000-point memory buffer.

Source functions set up easily.

- Fully programmable mathematical function key enables on-board calculation of derived parameters, such as power, voltage coefficient, ratio, etc.
- Sense line impedance of >10GΩ – won’t disturb measurements.
- Bright, clear “output on” indicator.
- Programmable front/rear switching provides two independent channels that can be switched over the bus.
- Choose from stair, log, or custom sweeps.

Keithley 2400 Source Measure Unit (SMU)
The Front Panel at a Glance

1. Graph Mode/Local Key
2. On/Off Switch
3. Modulation/Sweep/Burst Keys
4. State Storage Menu Key
5. Utility Menu Key
6. Help Menu Key
7. Menu Operation Softkeys
8. Waveform Selection Keys
9. Manual Trigger Key (used for Sweep and Burst only)
10. Output Enable/Disable Key
11. Knob
12. Cursor Keys
13. Sync Connector
14. Output Connector

Agilent 33220A Function Generator