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.

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.

Source and measure from the same terminals.

5½-digit resolution provides sensitivity as low as 10⁻¹⁷A and 1mV.

Reading rates of up to 2080/s into memory, 1750/s over IEEE-488.

3-stage limit structure for fast pass/fail testing.

Choose from stair, log., or custom sweeps.

5000-point memory buffer.

Bright, clear “output on” indicator.

Programmable front/rear switching provides two independent channels that can be switched over the bus.

Keithley 2400 Source Measure Unit (SMU)
Keysight DSOX1102A Oscilloscope

1. Power switch
2. Softkeys
3. [Intensity] key
4. Entry knob
5. [Default Setup] key
6. [Auto Scale] key
7. Horizontal and Acquisition controls
8. Run Control keys
9. Measure controls
10. Tools keys
11. Trigger controls
12. Waveform keys
13. [Help] key
14. [Bus] key
15. Ext Trig input
16. Vertical controls
17. Analog channel inputs
18. Waveform generator output
19. Demo/Probe Comp and Ground terminals
20. USB Host port
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