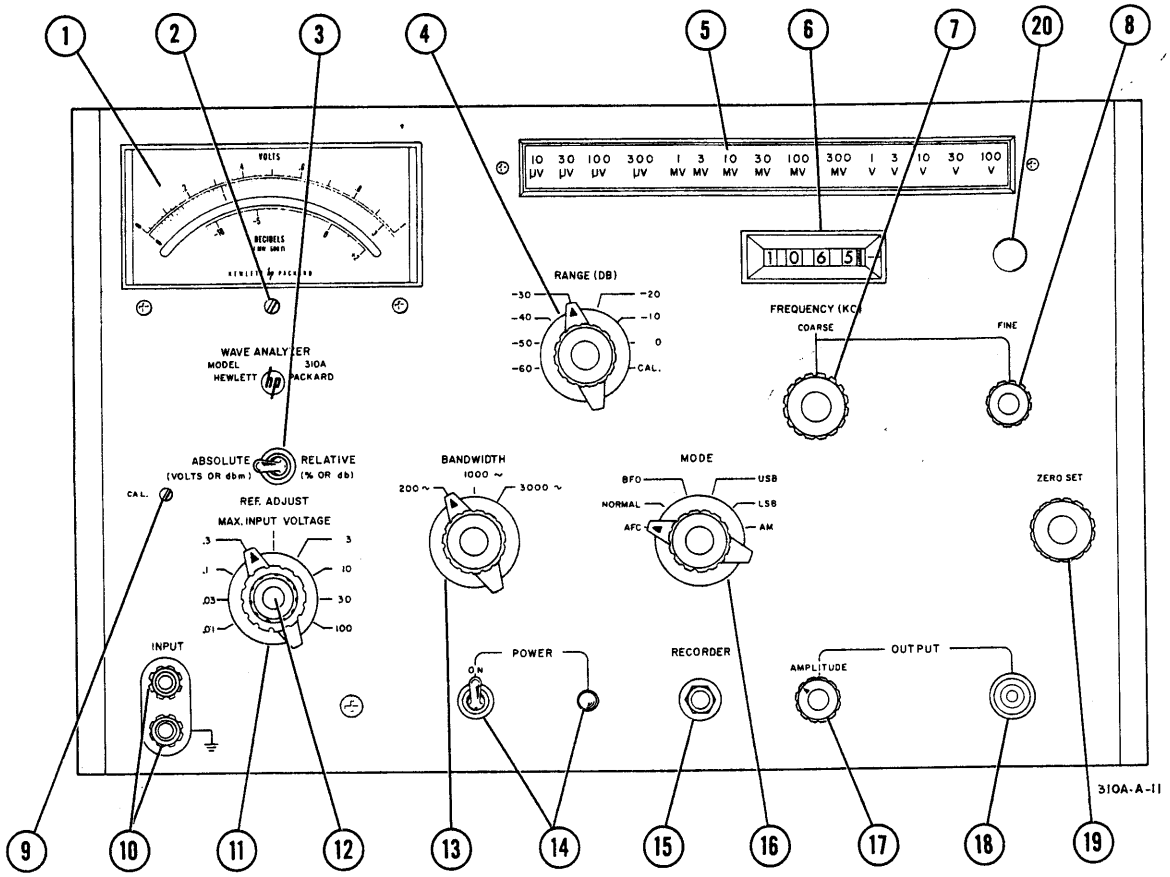

1. Meter indicates either (a) volts or dBm for 600-ohm systems) for ABSOLUTE setting or (b) in per cent (%) or dB for RELATIVE setting.
2. Meter mechanical zero set adjust.
3. ABSOLUTE-RELATIVE switch sets 310A input so meter indicates as described in 1 above. In RELATIVE position, a dBm reference may be set for any impedance system.
4. Combined RANGE and MAX INPUT VOLTAGE settings give full scale meter sensitivity.
5. Illuminated range indicator indicates full scale meter sensitivity.
6. Indicates tuned frequency in kilocycles.
7. COARSE control for changing tuned frequency.
8. FINE control for fine setting of tuned frequency.
9. CAL. adjust for full scale deflection (to "1") of meter needle when RANGE is in CAL. and instrument is tuned to approximately 100 kc.
10. INPUT for signal to be measured. The bottom terminal at cabinet ground potential (power line ground when Model 310A is connected to ac line).
11. MAX INPUT VOLTAGE selects maximum input voltage range; see 4 and 5 above.
12. REF ADJUST sets reference component of input signal for relative measurements (see 3 above).
13. BANDWIDTH selects band of frequencies passed by IF filter.
14. Indicator lights when POWER switch is ON and instrument connected to power source.
15. RECORDER. Two-conductor jack supplies 0.5 volt dc into 1000 ohms or less to drive X-Y or strip chart recorders.
16. MODE switch selects: (a) AFC (Automatic Frequency Control), tunes and locks 310A to input frequency, (b) NORMAL, for tuning and calibrating ing, (c) BFO (Beat Frequency Oscillator), generates same frequency as indicated by FREQUENCY (d) USB (Upper Sideband) and LSB (Lower Sideband), uses a carrier re-insertion oscillator 1450 cycles above or below band center to demodulate normal or inverted signal sideband signales, or (e) AM receives and detects AM signals.
17. AMPLITUDE control sets signal level at OUTPUT.
18. OUTPUT connector is a female BNC connector.
19. ZERO SET is for frequency dial calibration.
20. Location of Option 01 100 kc MARKER switch.

Figure 3-1. Front Panel Controls