TABLE 1-1. SPECIFICATIONS

FREQUENCY CHARACTERISTICS.

RANGE: 5 Hz to 500 kHz in five bands; 5 to 50 Hz, 50 to 500 Hz, 0.5 to 5 kHz, 5 to 50 kHz, and 50 to 500 kHz.

ACCURACY: ±4% from 5 Hz to 50 Hz, ±2% from 50 Hz to 500 kHz, ±1% at 15.92 on FREQUENCY dial from 159.2 Hz to 159.2 kHz, ±2% at 15.92 Hz.

MONITOR OUTPUT: level; 0.2 V rms minimum; source impedance:600 ohms in series with 50 μF.

IMPEDANCE MEASUREMENT CHARACTERISTICS.

RANGE: 1 ohm to 10 megohms in seven ranges: 10 ohms, 100 ohms, 1 K ohms, 10 K ohms, 100K ohms, 1 megohm and 10 megohms full scale.

ACCURACY: ±5% of reading.

PHASE ANGLE MEASUREMENT CHARACTERISTICS.

RANGE: 0° to $\pm 90^{\circ}$

ACCURACY: $\pm 6^{\circ}$

CALIBRATION: increments of 5°

DIRECT INDUCTANCE MEASUREMENT CAPABILITIES.

RANGE: 1 μH to 100,000 H, direct reading at decades multiples of 15.92 Hz.

ACCURACY: ±7% of reading for Q greater than 10 from 159.2 Hz to 159.2 kHz; ±8% of reading for Q greater than 10 at 15.92 Hz.

DIRECT CAPACITANCE MEASUREMENT CAPABILITIES.

RANGE: 0.1 pF to 10,000 μF, direct reading at decade multiples of 15.92 Hz.

ACCURACY: ±7% of reading for D less than 0.1 from 159.2 Hz to 159.2 kHz, ±8% of reading for D less than 0.1 at 15.92 Hz.

MEASURING TERMINAL SIGNAL CHARACTERISTICS.

WAVESHAPE: Sinusoidal.

SIGNAL LEVEL: 2.7 mV rms 1 ohm to 1 K ohm, approx. 2.7 mV rms 1000 ohms to 10,000 ohms, approx. 27 mV rms 10,000 ohms to 100,000 ohms, approx. 270 mV rms 100,000 ohms to 1 megohm, approx. 2.7 V rms 1 megohm to 10 megohms.

EXTERNAL OSCILLATOR REQUIREMENTS.

LEVEL: 0.8 V rms ±5%

RECORDER OUTPUTS.

FREQUENCY: level; 0 to 1 volt nominal; source impedance, 0 to 1000 ohms nominal, proportional to FREQUENCY dial rotation.

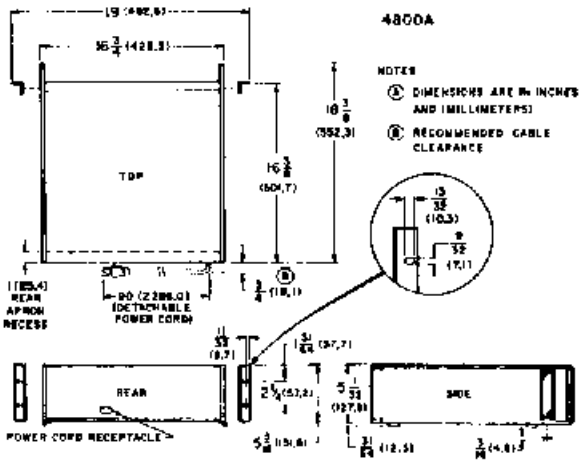
IMPEDANCE: level: 0 to 1 volt nominal; source impedance, 1000 ohms nominal.

PHASE ANGLE: level: 0 to ±0.9 volts nominal; source impedance, 1000 ohms nominal.

GENERAL.

ACCESSORIES FURNISHED: 13525A Calibration Resistor, 00610A Terminal Shield, circuit board extender, rack mounting kit.

DIMENSIONS:



WEIGHT: net 25 lbs (11.3kg), shipping 36 lbs (16.2kg).

POWER: 105 to 125 volts or 210 to 250 volts, 50 to 400 Hz, 27 w.