

SECTION D

SPECIFICATIONS AND CONTROL & CONNECTION IDENTIFICATION

1. VOLTAGE RANGES DC or AC rms (avg Sensing) ACCURACY FS

Cat. No. 513020 & -47	0-20kV	$\pm 0.5\%$ DC	± 1 Digit
Resolution 10V		$\pm 1.0\%$ AC	
Cat. No. 513100 & -47	0-100kV	$\pm 0.5\%$ DC	
Resolution 100V		$\pm 1.0\%$ AC	
Cat. No. 513160 & 4-7	0-160kV	$\pm 0.5\%$ DC	
Resolution 100V		$\pm 1.0\%$ AC	
2. INPUT RESISTANCE

Cat. No. 513020 & -47	300M Ω
Cat. No. 513100 & -47	900M Ω
Cat. No. 513160 & -47	1200M Ω
3. DISPLAY

3 1/2 Digit LED display, 0.5 inch (13MM).
4. INPUT POWER SUPPLY

Cat. Nos. 513020, 513100 & 513160
120 Volts, 60 Hz.
Single Phase, 0.5 Amps.

Cat. Nos. 513020-47, 513100-47 & 513160-47
240 Volts, 50 Hz.
Single Phase, 0.25 amps.
5. SUPPLY CORD

8 ft. (2.4M) with ground.
6. ON-OFF SWITCH

When set to the ON position the display is lighted to indicate that power is present.
7. FUSE

0.5A. Type AGC. Replaceable by removing the fuse holder cap.
8. INTERCONNECTING CABLE

Control Unit to Divider - 20 feet (6.1M).

9. GROUND CABLE

15 feet (4.6M).

Connects the Divider to Earth ground.

10. MODE SELECTOR SWITCH

Sets the Kilovoltmeter to measure DC or RMS (average sensing).

11. SIZE AND WEIGHT

Control Unit - 7 x 7 1/2 x 9 (18 x 19 x 23 cm).
5 lbs. (2.3 Kg).

Divider Units- 20kV: 9 x 11 x 17 (23 x 28 x 43 cm).
20 lbs. (9.1 Kg).
100kV: 9 x 11 x 33 (23 x 28 x 84 cm).
23 lbs. (10.5 Kg).
160kV: 9 x 11 x 39 (23 x 28 x 99 cm)
25 lbs. (11.4 Kg).

OPTIONAL BATTERY OPERATED KILOVOLTMETERS

Cat. Nos. 513020-B, 513100-B, 513160-B
120 Volts, 60 Hz
Single Phase, 0.5 Amps.

Cat. Nos. 513020-47-B, 513100-47-B, 513160-47-B
240 Volts, 50 Hz
Single Phase, 0.25 Amps.

The power ON/OFF switch turns the display on and off, but does not interrupt power to the operating and charging circuits when the power cord is plugged in. The Kilovoltmeter can be operated by battery power, or from the power line. Battery operation is approximately 8 hours with fully charged batteries. Charging time is approximately 16 hours (with display off). The batteries will charge at a slow rate while operating on line power.