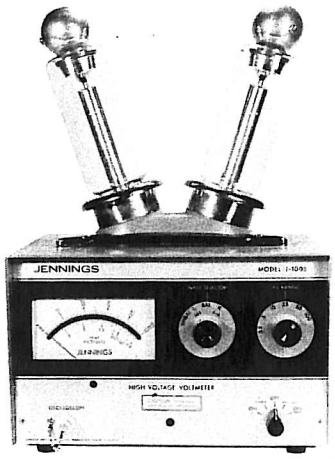
the world of high voltage testing

ITT Jennings high voltage metering instruments allow direct measurement of all the most important voltage parameters that apply to all wave-forms, whether DC, sinusoidal, pulse, repetitive transient or combination signals.

The instruments are small and highly portable and operate either from an internal storage battery or from line voltage and contain an integral battery charger. The digital high intensity plasma display is easily readable in direct sun or total darkness.

Comprehensive data sheets on individual instruments are available for the asking. In addition, demonstrations can be arranged in your plant.

SOLID STATE AC VOLTMETER



MODEL J-1005

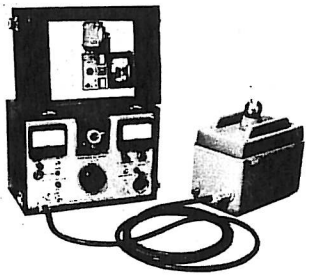
A compact, portable instrument for the accurate, direct reading of very high voltages at rf, audio and power frequencies . . . determination of the amplitude of pulses with oscilloscope connections for viewing wave shapes . . . removable high voltage input circuit for remote panel mounting of the meter . . . internal battery and ac line operation.

SPECIFICATIONS	MODEL J-1005
Voltage Ranges	Peak Kilovolts (single-ended) 0-2.5, 0-5, 0-10, 0-25, 0-50 Peak Kilovolts (double-ended) 0-2.5, 0-5, 0-10, 0-25, 0-50, 0-100
Frequency Response	Flat from 10 Hz to 20 MHz at full rated voltage.
Accuracy	3% of full scale on all voltage ranges.
Oscilloscope Connection	600 to 1 division ratio (approx.)
Meter Calibration	The meter is calibrated in peak kilovolts with linear voltage scales of 0-2.5, 0-5, 0-10, 0-25, 0-50.
Input Impedance	Greater than 2 x 10^{12} ohms and approx. 4 pf single-ended to ground, 2 pf double-ended.
Power Supply	117/230 volts 10%, 50/60 Hz, 5 watts, or rechargeable battery.
Dimensions	Height, 16"; width, 10¾"; depth, 8".
Net Weight	12 pounds (approx.).

PORTABLE AC HIGH VOLTAGE TESTER

MODEL JHP-70A

The smallest and lightest instrument available at its power level the JHP-70A will generate and measure 70,000 volts peak for on-site testing of high voltage components such as capacitors, switches, transformers, bushings, vacuum tubes, etc.



SPECIFICATIONS

Maximum Output
Voltage ..... 70 kV Peak
Maximum Continuous
Current ..... 21 MA RMS
Short Circuit
Current (Est.) ..... 100 MA RMS
Power Requirements..... 105-125 Volts RMS
Frequency ..... 50-60 Hz
Current ..... 15 Amps
Surge Current..... 10 Amps
Weight:
Control Cabinet ..... 28 lbs.
Transformer..... 43 lbs.

HIGH VOLTAGE AC DIVIDER

MODEL 13200

These dividers can be used with an oscilloscope to measure and observe voltages up to 50 kV at frequencies up to 20 MHz. Their low circuit loading design and shielded construction make them particularly suitable for rf measurement applications including tank circuit and transmission line voltages, pulse parameters, modulation voltages, and transient wave characteristics.

SPECIFICATIONS	MODEL 13200
Voltage	50 kV peak
Current	12.5 amperes RMS maximum through the voltage divider.
Input Impedance	Above 10^{12} ohms, 4 pfd.
High Frequency Response	Flat to 20 MHz at 50 kV peak; maximum frequency 50 MHz at 20 kV peak
Division Ratio	As requested, 325:1, 1000:1 or 2000:1
Low Frequency Response When operated into shunt resistance of 1 megohm 10 megohms	 1000 Hz 100 Hz
Weight	2 lbs. 4 oz.