

## MEASUREMENT CAPABILITIES

PARAMETER	SOURCE	MEASURE
Volts (DC)	18 kV	180 kV
Volts (AC)	45 kV	134 kV rms
Current (DC)	60 amps (2500 thru coil)	5000 A
Current (AC)	20 amps 60 Hz (1500 thru coil)	5000 A
Resistance	1 $\mu\Omega$ to 1 T $\Omega$	100 $\mu\Omega$ to 1 T $\Omega$
Inductance	10 mH to 1H	
Capacitance	10 picoF to 10 $\mu$ F	10 picoF to 10 $\mu$ F
Temperature (RTD, Thermistors, Thermocouples)	0-700°C (1290°F)	0-870°C (1600 °F)
Time	1 $\mu$ sec	1 $\mu$ sec
RF Power	20 GHz 100mW	21 GHz 100 mW
Frequency	dc to 18 GHz	dc to 18Ghz
Weight	60 kg	30 kg
Pressure (pneumatic)	1000 PSI	1000 PSI
Pressure (hydraulic)	10, 000 PSI	5000 PSI
Vacuum	29 "hg	29 "hg
RPM (mechanical)	5000 RPM	5000 RPM
RPM (optical)	100,000 RPM	100,000 RPM
Dimensional (vernier, caliper, dial)	to 12 "	to 12"
Dimensional (tape measue)	100 ft, 100 m	100 ft, 100 m
Low Frequency Power	ac/dc 1200 watts	ac/dc 3000 watts
pH	standard solutions	