

INSTRUMENTS CALIBRATED	LABORATORY LOCATION		SITE CALIBRATION	
	RANGE	UNCERTAINTY	RANGE	UNCERTAINTY
MEASURING INSTRUMENT				
1. Voltmeter, Ammeter, Ohmmeter & Multimeter				
DC VOLTAGE	0mV - 329mV	10 μ V		
	0.329V - 3.29V	100 μ V		
	3.29V - 50V	1mV		
	50V - 329V	3mV		
	329V - 1000V	20mV		
AC VOLTAGE (45Hz TO 1kHz)	1mV - 300mV	20 μ V		
	0.3V - 3V	200 μ V		
	3V - 30V	3mV		
	30V - 300V	20mV		
	300V - 1000V	40mV		
DC CURRENT	0A - 3.29mA	1 μ A		
	3.29mA - 32.9mA	10 μ A		
	32.9mA - 329.0mA	100 μ A		
	329.0mA - 2.19A	1mA		
	2.19A - 11A	10mA		
AC CURRENT (45Hz TO 1kHz)	0.033mA - 0.329mA	0.2 μ A		
	0.329mA - 3.29mA	2 μ A		
	3.29mA - 32.9mA	20 μ A		
	32.9mA - 329.0mA	0.1mA		
	0.329A - 2.19A	1mA		
RESISTANCE	0 Ω - 33 Ω	0.01 Ω		
	33 Ω - 330 Ω	0.02 Ω		
	330 Ω - 3300 Ω	0.2 Ω		
	3.3k Ω - 33k Ω	2 Ω		
	33k Ω - 330k Ω	20 Ω		
	0.33M Ω - 3.3M Ω	0.3k Ω		
	3.3M Ω - 19M Ω	8k Ω		
	19M Ω - 30M Ω	20k Ω		
	30M Ω - 119M Ω	100k Ω		
	119M Ω - 290M Ω	1100k Ω		
2. CLAMP METER				
DC CURRENT	10A	0.7A		
	10A - 50A	0.9A		
	50A - 109.5A	1.3A		
	109.5A - 250A	3A		
	250A - 350A	3A		
	350A - 450A	4A		
	450A - 550A	4A		
AC CURRENT (45Hz TO 1kHz)	10A	0.7A		
	10A - 50A	0.9A		
	50A - 109.5A	1.3A		
	109.5A - 250A	3A		
	250A - 350A	3A		
	350A - 450A	4A		
	450A - 550A	4A		
3. POWER METER				
DC POWER	Up to 25W	0.02W		
	25W - 400W	0.1W		
	400W - 2500W	1W		
	2500W - 11,000W	10W		
AC POWER	Up to 25W	0.04W		
	25W - 100W	0.1W		
	100W - 400W	0.2W		
	400W - 2500W	3W		
	2500W - 11,000W	10W		
4. HIPOT TESTER				
PUNCTURE (DC)	0kV - 2kV	0.02kV		
	2kV - 3kV	0.02kV		
	3kV - 4kV	0.02kV		
	4kV - 5kV	0.02kV		
PUNCTURE (AC)	0kV - 2kV	0.06kV		
	2kV - 3kV	0.06kV		
	3kV - 4kV	0.07kV		
	4kV - 5kV	0.07kV		
INSULATION	100 Ω - 1k Ω	0.001k Ω		
	1k Ω - 10k Ω	0.01k Ω		
	10k Ω - 100k Ω	0.1k Ω		
	100k Ω - 1M Ω	0.02M Ω		
	1M Ω - 10M Ω	0.1M Ω		
	10M Ω - 100M Ω	1M Ω		
CUT - OFF CURRENT	0mA - 4mA	0.02mA		
	4mA - 40mA	0.2mA		
	40mA - 400mA	1.3mA		
5. TIMER				
NO TYPE	5sec - 15min	0.2sec	5sec - 15min	0.2sec
	15min - 2hrs	1sec	15min - 2hrs	1sec
NC TYPE	5sec - 15min	0.2sec	5sec - 15min	0.2sec
	15min - 2hrs	1sec	15min - 2hrs	1sec
6. STOPWATCH				
	1sec - 9sec	0.065sec		
	10sec - 90 sec	0.08sec		
	120sec - 900sec	0.2sec		
	1200sec - 7200sec	2sec		