

Specifications **Metrix+ 3510PW POWER CLAMP METER**

AC Voltage (True RMS)	Range	Resolution	Accuracy	Allowable Maximum overload protection voltage	Input Impedance	Remark	
	15V	0.1V	±(1.2%)	600 RMS	10 MΩ		
	100V						
	300V						
600V							
Min Input Voltage : 10V	Range	Resolution	Accuracy	Remark			
	20Hz~100Hz	1Hz	±(0.5%)	Min Input Voltage : 10V			
AC Current (True RMS)	Range	Resolution	Accuracy	Allowable Maximum overload protection current	Remark		
	40A	0.1A	±(2.5%)	1000A RMS	Allowable maximum overload protection current:1000A RMS		
	400A						
	1000A	400-800	1A)				±(2.5%)
800-1000		±(3.5%)					
Active Power (w=VxAxCO S Φ)	Current/Voltage	Voltages Range				Remark	
	Current Range	15V	100V	300V	600V	Min Input Voltage : 10V Allowable maximum overload protection voltage:600V RMS Allowable maximum overload protection current:1000A RMS	
		40A	0.60kW	4.00kW	12.00kW		24.00kW
		100A	1.50kW	10.00kW	30.00kW		60.00kW
		400A	6.00kW	40.00kW	120.0kW		240.0kW
	1000A	15.00kW	100.0kW	300.0kW	600.0kW		
	Accuracy	±(3%)					
Resolution	< 1000KW:0.01KW ≥ 100KW:0.1KW						
Apparent Power (VA = V x A)	Current/Voltage	Voltages Range				Remark	
	Current Range	15V	100V	300V	600V	Min Input Voltage : 10V Allowable maximum overload protection voltage:600V RMS Allowable maximum overload protection current:1000A RMS	
		40A	0.60kVA	4.00kVA	12.00kVA		24.00kVA
		100A	1.50kVA	10.00kVA	30.00kVA		60.00kVA
		400A	6.00kVA	40.00kVA	120.0kVA		240.0kVA
	1000A	15.00kVA	100.0kVA	300.0kVA	600.0kVA		
	Accuracy	±(3%)					
Resolution	< 1000KVA :0.01KVA ≥ 100KVA :0.1KVA						
Reactive Power (Var =VxAxSINΦ)	Current/Voltage	Voltages Range				Remark	
	Current Range	15V	100V	300V	600V	Min Input Current/Voltage : 10A/10V Allowable maximum overload protection voltage:600V RMS Allowable maximum overload protection current:1000A RMS	
		40A	0.60kVar	4.00kVar	12.00kVar		24.00kVar
		100A	1.50kVar	10.00kVar	30.00kVar		60.00kVar
		400A	6.00kVar	40.00kVar	120.0kVar		240.0kVar
	1000A	15.00kVar	100.0kVar	300.0kVar	600.0kVar		
	Accuracy	15V/1000A Range :±(4%) Other Range :±(4%)					
Resolution	< 1000kVar:0.01kVar ≥ 100kVar:0.1kVar						
Power Factor (PF = W/VA)	Range	Accuracy	Resolution	Measuring Condition		Remark	
	0.3~1 (capacitive or inductive)	±0.022	0.001	The minimum measuring current 10A The minimum measuring voltage 45V		Min Input Voltage : 10V Allowable maximum overload protection voltage:600V RMS Allowable maximum overload protection current:1000A RMS	
	0.3~1 (capacitive or inductive)	For reference only		Measuring current less than 10A OR Measuring voltage less than 45V			
Phase Angle (PG =acos (PF))	Range	Accuracy	Resolution	Measuring Condition		Remark	
	0°~360°	±1°	1°	The minimum measuring current 10A The minimum measuring voltage 45V		Min Input Current/Voltage : 10A/10V	
	0°~360°	For reference only		Measuring current less than 10A OR Measuring voltage less than 45V			
Active Energy (kWh)	Range	Accuracy	Resolution		Remark		
	1~9999kWh	±(3%)	0.001kWh		Allowable maximum overload protection voltage:600V RMS Allowable maximum overload protection current:1000A RMS		