PPS 系列可编程交流源表

PPS Series Programmable AC Power Source Meter

PPS系列可编程交流源表是一款高品质交流程控稳压电源，具有智能可编程、源表一体化、高稳定度、高纯净度、高测量精度、电压远程取样、超薄机箱设计等特点。该电源为各种类型负载提供纯净的交流供电并能模拟电网电压连续变化，实现负载的电源特性测试。特别适合于计量检定、科研实验、精密测试等高要求应用场合。

PPS series programmable AC power source meter is a high quality program–control AC power supply. It has the characteristics of intelligent programmable, source–meter integration, high stability, high purity, high accuracy, remote voltage–sampling, super–thin case design, etc. The power supply provide pure power to all kinds of loads and simulate continuous variation of output voltage to realize the power characteristic test for the load. It is especially suitable for high demand applications, such as metrology and calibration department, scientific research and laboratory, precision measurement occasions, etc.

精 源表一体化，可实现谐波分析
Integration of power supply and meter,harmonic analysis available

智 可编程设计，满足多种测试需求
Can be applied in many cases as its programmable design

小 高功率密度设计，1kVA仅8.9cm高
High power density,as small as 8.9cm height for capacity of 1kVA



主要特点 Characteristics

- 输出电压可单次设定，或程控式连续变化，实现各种负载的电源特性测试需要
  Output voltage can be set in a single or programmable continuous changes, in order to realize the test needs of power characteristic for all kinds of loads
- 启动/结束相位0° ~359° 可设置，可模拟突波或陷波
  Start/End phase can be set from 0° to 359° , simulate the surge or trap
- 低失真、高纯净，特别适合谐波测试场合
  Low distortion and high purity, especially suitable for harmonic testing occasions.
- 测量功能丰富：除电压、电流、功率、功率因素、频率等基本电参数外，还可测量电压/电流峰值、电压/电流波峰比、电压/电流总谐波失真等参数，真正源表一体化
  Multi measurement functions: the test parameters cover voltage, current, power, power factor, frequency, crest factor of voltage/current and THD of voltage/current
- 电压远程取样功能，避免线损，高精度测试场合需要
  Voltage remote sampling function can avoid the line loss and meet the needs of high precision testing occasions.
- 具备远程输入(TEST、RESET、调用记忆组1–50)及远程输出(PASS、FAIL、TEST–IN PROCESS) 功能，方便在线自动化控制
  Remote input (TEST, RESET and call the memory group from1 to 50) and remote output (PASS, FAIL, TEST–IN PROCESS), which is convenient for online automatic control

技术参数 Specifications

型号		PPS1005	PPS1010
输出容量		500VA	1KVA
相		1φ	
输出电压		2V ~ 150V,2V ~ 300V	
最大电流	0-150V	4.6A	9.2A
	0-300V	2.3A	4.6A
输出频率	范围 Range	40.00HZ ~ 500.0HZ	
	稳定度 Stability	≤0.03%读数 reading+1 字 digit	
总谐波失真	40Hz~100Hz	≤0.5%	
	101Hz~500Hz	≤1%	
电压稳定度		≤0.2%	
暂态反映时间		< 400μs	
电源效率		≥80%	
通讯功能		RS232/485	
测试项目		V、A、W、PF、Hz、Ap、Vp、Acf、Vcf、Athd、Vthd	
电压表	量程	75V/150V/300V	
	分辨率	0.1V	
	基本精度	0.4%读数+0.1%量程+1 字	
电流表	量程	0.5A/A/10A	
	分辨率	0.001A(0.001A ~ 9.999A);0.01A(10.00A ~ 19.99A)	
	基本精度	0.4%读数+0.1%量程+1 字	
功率表	分辨率	0.1W(0.1W ~ 999.9W);1W(1000W ~ 1999W)	
	基本精度	(0.001/读数)+0.001×(4+0.02f)+1 个字	