YS6100 功率标准源
YS6100 power standard source

功率标准源是一款稳定性高，操作简便，可程控的高精度交流功率标准源。该产品可直接用于校验0.5级以下的工频电流表、电压表、频率表，或协同各种高精度标准表校验0.1级以下的工频电流表、电压表、相位表、频率表、电能表，各种电量变送器。

The power standard source is a kind of AC power standard source with high stability, simple operation and high accuracy that can be programmed. This product can be directly used to calibrate power frequency ammeters, voltmeters, frequency meters below grade 0.5, or coordinate with various high-precision standard meters to calibrate power frequency ammeters, voltmeters, phase meters, frequency meters, energy meters, and various power transmitters below grade 0.1.

主要特点 Characteristics

- 谐波失真小，频率和相位分辨率高，可直接准确输出电压幅度、电流幅度；
  With low harmonic distortion, high frequency and phase resolution, it can directly and accurately output voltage amplitude and current amplitude;

- 输出范围宽，电压可达660V，电流可达20A；
  Wide output range, voltage up to 660V, current up to 20A;

- 良好的稳压、稳流特性，拍频影响小；
  Good voltage stabilizing and current stabilizing characteristics, with little impact on beat frequency;

- 具有RS232通讯功能，可远程控制
  With RS232 communication function, it can be remotely controlled

技术参数 Specifications

- 电压输出范围：0.1V~660V

  Voltage output range: 0.1V~660V

- 电压输出稳定度：(0.03%Set+1mV)/3分钟（>10%R.G）

  Voltage output stability: (0.03% Set+1mV)/3min (>10% R.G)

- 电压输出准确度：0.05% Set+1mV（>10%R.G）

  Voltage output accuracy: 0.05% Set+1mV (>10% R.G)

- 电压输出总谐波失真：<0.3%（>10%R.G，阻性负载）

  Total harmonic distortion of voltage output:<0.3% (>10% R.G, resistive load)

- 电流输出范围：0.01A~20A

  Current output range: 0.01A~20A

- 电流输出稳定度：(0.03% Set+0.1mA)/ 3分钟（>10%R.G）

  Current output stability: (0.03% Set+0.1mA)/3min (>10% R.G)

- 电流输出准确度：0.06% Set+0.1mA（>10%R.G）

  Current output accuracy: 0.06% Set+0.1mA (>10% R.G)

- 电流输出总谐波失真：<0.3%（>10%R.G且输出>0.2A，阻性负载）

  Total harmonic distortion of current output:<0.3% (>10% R.G and output>0.2A, resistive load)

- 相位设置范围：0~360°

  Phase setting range: 0~360 °

- 频率输出范围：40Hz～70Hz

  Frequency output range: 40Hz ～ 70Hz

- 通讯方式：RS-232接口

  Communication mode: RS-232 interface