

Digital Switching power supply



Model: TPS-1305R

TPS-1305R is a programmable DC power supply with a fine-tuning voltage of 1mV and a current of 10mA resolution, and can store 5 sets of parameters, which can be quickly switched in the output. In addition to the output switch, there is also a voltage and current overload protection function to avoid abnormal voltage or current output, which can disconnect the power supply to protect the instrument and equipment.

TPS-1305R With 30V/5A output, using switching power conversion, compared with traditional coil conversion, has the characteristics of lighter weight and is easy to carry. It is also equipped with overload protection, which can disconnect the power supply when the power output is abnormally overloaded to protect the safety of equipment and personnel.

Measurement Specification

Voltage Output : 0 to 30V

Current Output : 0~5A $\pm(\leq 0.1\% + 10\text{mA})$

Display Accuracy : $\leq 0.1\% \pm 20\text{mV}$ /
 $\leq 0.1\% \pm 10\text{mA}$

Load Regulation : $\leq 30\text{mV}$ / $\leq 30\text{mA}$

Ripple & Noise : $\leq 30\text{mVp-p}$ / $\leq 30\text{mA p-p}$

Temperature Coefficient : $\leq 0.3\% \pm 20\text{mV}$ /
 $\leq 0.3\% \pm 10\text{mA}$

Transient response time : $\leq 1.0\text{ms}$

Product Features

Record : 5

Watt display :

Output Mode : Constant Voltage and

Current Limit Mode

Overload protection :

Warning Function : CC and CV light
continuously on

Product Information

Working Environment : 0~40°C / lower
than 90%RH without dew.

Storage Environment : -20~60°C / lower
than 80%RH without dew.

Elevation Limitation : Less than 3,000
meters above sea level

Header Display : Digits 3.7" display LCD
display(480 × 320 resolution, 65,536
colors / TFT)

Power Supply : AC 110~220V 50Hz/60Hz

Dimension : 290 × 117 × 194 mm

Weight : 3.0kg

Accessory : Power cord, Test cord