

ADV30-10P Programmable DC Power Supply

Application:

R & D debugging
Quality control & inspection
Automatic testing in production line
School lab for teaching
Repairing

Features:

- Complete programmable
- 10 mV / 1 mA high accuracy and resolution
- Low noise and ripple
- CV / CC constant voltage and current modes
- Arbitrary set protection, OCP and OVP with high reliability
- 5 sets of parameters can be stored inside
- Output switch control
- Power-off memory function
- Keyboard lock function to prevent operators from misusing
- USB data storage and automatic control (some of KORAD models)
- Optional interfaces: RS232, USB
- Easily alternative to the traditional digital-display power supplies



Accurately generating the required voltage and current

KA series power supplies provide the output voltage from 30V to 60V, and the resolution with 10V and 10mA.

Professional power supply design; intuitionistic operation

More than one power supplies can be superimposed with parallel connection

5 kinds of programmable preset and set

Just press the buttons RECALL and SAVE; then the stored data can be recalled and the users' settings can be saved respectively.

Avoiding the damage of the loads

The cut off values of Over Voltage Protection and Over Current Protection can be set. And the buttons can be locked by the keyboard lock function to prevent the users from improper operation so that some undesired results appear in the key tests.

Specifications

Model	ADV30-10P
Voltage Range / Current Range	0-30V / 0-10A
Load Regulation	Voltage: $\leq 0.01\% + 2\text{mV}$ / Current: $\leq 0.1\% + 5\text{mA}$
Line Regulation	Voltage: $\leq 0.01\% + 3\text{mV}$ / Current: $\leq 0.1\% + 3\text{mA}$
Setup Resolution	Voltage: 10mV / Current: 1mA
Setup Accuracy (25 °C + - 5 °C)	Voltage: $\leq 0.5\% + 20\text{mV}$ / Current: $\leq 0.5\% + 10\text{mA}$
Ripple(20hz-20M)	Voltage: $\leq 2\text{mVrms}$ / Current: $\leq 5\text{mA}_{\text{rms}}$
Temp. Coefficient	Voltage: $\leq 100\text{ppm} + 10\text{mV}$ / Current: $\leq 100\text{ppm} + 5\text{mA}$
Read Back Resolution	Voltage: 10mV / Current: 1mA
Read Back Temp. Coefficient	Voltage: $\leq 100\text{ppm} + 10\text{mV}$ / Current: $\leq 100\text{ppm} + 5\text{mA}$
Reaction Time(10% Rated load)	Voltage: $\leq 100\text{mS}$ / Current: $\leq 100\text{mS}$
Operation Environment	Indoor use Altitude: $\leq 2000\text{m}$ Ambient temperature 0 ~ 40°C Relative humidity $\leq 80\%$
Interfaces	Optional Interfaces: RS232, USB
Accessories	User manual, Power cord (1.2M), USB cord (1.2M)
Weight and Dimension	8.0 kg / 110(W)*156(H)*260(D)
Storage Environment	Ambient temperature -10°C ~ 70°C Relative humidity $\leq 70\%$