

KD3300 Series DC Power Supply



KD multi-channel series DC power supply uses digital encoders and the button control, which has the simple and convenient operation, safe and reliable features. And there are series and parallel output operations and triple-way adjustable control, that is, CH1 and CH2 output 0-30V while CH3 can output three voltage stalls: 2.5V, 3.3V and 5V. In addition, there is the output switch and the shutdown memory function. And the fine and coarse adjustments can be achieved by pressing the knobs. Furthermore, the knobs have 2 operating modes: the continuous adjustment and the lock adjustment, which can make the operation convenient and reliable, that is, the keyboard can be locked to avoid improper operation. Regarding interfaces, LAN, USB & RS232 are included with a wealth of SCPI instructions, which can provide the Labview driver and programming examples to facilitate engineers to set up the test system quickly.

Features

- 30VX2,5V/3.3V2.5V
- 10mV/1mA high accuracy resolution dc power supply
- shutdown memory
- Complete digital control
- Industrial grade,with load for a long time
- Intelligent temperature-controlled fan
- Compact design
- Over-current protection
- Output ON/OFF control
- Knob LOCK function to avoid improper operation
- Optional interfaces: LAN, USB & Rs232

Models	KD3303	KD3305
Voltage Range	0-30V	0-30V
Current Range	0-3A	0-5A
Load Regulation		
Voltage Range	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 5\text{mV}$
Current Range	$\leq 0.1\% + 5\text{mA}$	$\leq 0.1\% + 10\text{mA}$
Line Regulation		
Voltage Range	$\leq 0.01\% + 3\text{mV}$	$\leq 0.01\% + 3\text{mV}$
Current Range	$\leq 0.1\% + 3\text{mA}$	$\leq 0.1\% + 3\text{mA}$
Setup Resolution		
Voltage Range	10mV	10mV
Current Range	1mA	1mA
Setup Accuracy (25°C+/-5°C)		
Voltage Range	$\leq 0.5\% + 20\text{mV}$	$\leq 0.5\% + 20\text{mV}$
Current Range	$\leq 0.5\% + 5\text{mA}$	$\leq 0.5\% + 10\text{mA}$
Ripple(20-20M)		
Voltage Range	$\leq 1\text{mVrms}$	$\leq 2\text{mVrms}$
Current Range	$\leq 3\text{mA rms}$	$\leq 3\text{mA rms}$
Temp. Coefficient		
Voltage Range	$\leq 100\text{ppm} + 10\text{mV}$	$\leq 100\text{ppm} + 10\text{mV}$
Current Range	$\leq 100\text{ppm} + 5\text{mA}$	$\leq 100\text{ppm} + 5\text{mA}$
Read Back Accuracy		
Voltage	10mV	10mV
Current	1mA	1mA
Read Back Temp. Coefficient		
Voltage	$\leq 100\text{ppm} + 10\text{mV}$	$\leq 100\text{ppm} + 10\text{mV}$
Current	$\leq 100\text{ppm} + 5\text{mA}$	$\leq 100\text{ppm} + 5\text{mA}$
Reaction Time		
Voltage Rise	$\leq 100\text{mS}$	$\leq 100\text{mS}$
Voltage Drop	$\leq 100\text{mS}$ (10% Rated load)	$\leq 100\text{mS}$ (10% Rated load)
Load Regulation of Parallel		
Voltage	$\leq 0.1\% + 0.2\text{V}$	
Load Regulation of Series		
Voltage	$\leq 0.1\% + 0.1\text{V}$	
Ch3 Specifications		
Voltage Range	5V/3.3V/2.5V	
Current Range	3A	
Voltage Accuracy	$\pm 50\text{mV}$	
Load Regulation	$\pm 50\text{mV}$	
Interface		
Optional Interfaces (for programmable models only): RS232, USB		
Accessories		
User manual 1 PC ; Power cord 1 PC		
Weight and Dimension		
110(W)*156(H)*38(D), KD3303x 3.6Kg, KD3305x 4.5Kg		