

Output DC Bench Power Supplies With Analog

0422 0156

QJ1502A 0-15V/0-2A Regulated Power Source

Overview

Your new DC Regulated Power Source provides accurate & stable DC power. It is ideal for test benches, laboratories, schools & repair facilities. The multi-turn voltage control knob helps the user accurately dial in a precise voltage. It is easy to read digital outputs (voltage & current) through an analog.

Features

- SMD adhesive sheet element technology for internal PCB construction
- two analog display output current and voltage
- multiloop high precision voltage regulation
- progressive current regulation
- dual terminal system safety test style or expandable screw terminals
- overload protection circuit
- low ripple voltage: <1mVP-P
- output polarity: positive or negative
- rugged reinforced metal frame construction



Specifications

- type: QJ 1502A
- voltage: 0-15V DC
- current: 0-2A
- display: 100mV / 100mA

General Description

- utilizes SMD technology
- single/dual output light and compact
- output polarity: positive and negative
- analog display shows voltage and current value
- low ripple voltage less than 1mVP-P
- overload protection circuit
- applicable for school, production line, laboratory and maintenance

Technical specifications

- input voltage: 230V AC +/- 10%
- voltage regulation: $CV \leq 1 \times 10^{-4} + 3mV$ $CC \leq 2 \times 10^{-3} + 3mA$
- load regulation: $CV \leq 1 \times 10^{-4} + 3mV$ $CC \leq 2 \times 10^{-3} + 3mA$
- ripple & noise: $CV < 1mV_{rms}$ $CC < 3mArms$
- protection: current limiting
- voltage indication accuracy: $\pm 2.5\%$ Full scale
- current indication accuracy: $\pm 2.5\%$ Full scale
- ambient temperature: 0 ~ +40 °C
- humidity: <80%
- dimensions (w x h x d): 95 x 160 x 240mm
- weight: 2.5kg

Operation

Front panel controls

- (1) voltage Indication
- (2) current Indication
- (3) negative terminal for output
- (4) positive terminal for output
- (5) voltage Adjustment Knob
- (6) current Adjustment Knob
- (7) power Switch ON/OFF



The unit has 1 output display. The display has 2 readings. The left is Current and the right is Voltage. There is 1 output That is 0-15 Volts with 0-2A. It takes a standard 230VAC input only. And it is fuse protected.

Attention

- 1) The mains power must be switched off before servicing and servicing should be referred to a qualified person.
- 2) The unit should be stored in a dry and well ventilated place and the power cord should be removed from its power source for long periods of inactivity.

Accessories

- 1x power cord
- 1x instruction manual
- test leads

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