



- **Variable output voltage: 0 to 110% above line input**
- **0 to 265V 50Hz, 10A at 240V input**
- **0 to 121V 50Hz, 10A at 110V input**
- **Simple analogue deviation control**
- **0 to 10A output current**
- **Two digital displays for voltage & current**
- **4 digit resolution & bar graph display**
- **Input fuse 10A slow blow**
- **Various socket types available**

DESCRIPTION

The 7088D provides variable 50Hz AC power up to 10A. The output voltage and current is monitored on two digital meters with 4 digit resolution and bar graph display. Output connection is via a front panel mains socket (type selectable when placing order), or via 4mm safety terminals. The output is protected by a 10A circuit breaker. Further protection is provided a front panel fuse. The output voltage is adjustable by turning the front panel control knob. An independent incoming power switch is also provided. The 7088D is not isolated from the mains supply so the highest output voltage is dependant upon the mains line voltage (ie 265V at 240V input, 121V at 110V input).

The 7088D's method of achieving a variable AC supply is by means of using a variable voltage auto-transformer. This provides a trouble free and an efficient way of varying/controlling AC voltages. Variation of the output voltage is achieved by a brush arm with a carbon tip, which rotates around a silver plated commutator.

The mains socket type on the 7088D is selected by the user. These include UK 13A, Euro Schuko 16A, US 15A, and Indian Round Pin 15A. The type must be specified on ordering. Additionally the module has 4mm shrouded sockets for use.

SPECIFICATIONS

Power	Dependant on the mains supply to the bench (not isolated)
Output Voltage	Variable 0 to 110% above line input.
- Example Voltage Inputs/Outputs	0 to 265V 50Hz, 10A at 240V input. 0 to 121V 50Hz, 10A at 110V input.
Output Current	0 to 10A maximum
Input Fuse	10A slow blow
Output Circuit Breaker	10A (medium response time)
Accuracy	1%
Displays	2 digital displays for V & I, w57 x h53mm each, high contrast anti-glare LCD screen, 4 digit reading and bar graph display, green backlight colour.
Display Resolution	Display: 4 digits for V & I. Voltage Resolution: 0.1V / Current Resolution: 0.01A
Switches	Mains power on/off switch and an independent incoming power switch
Output Socket	Specified on ordering, UK, Euro, US, Indian types and more available
Additional Output Sockets	4mm shrouded sockets (safety terminals)
Earthing	A PE socket is provided for wrist bands, mats, etc (see separate datasheets).
Output Voltage Control	Front panel analogue deviation control
Module Width	350mm (typically fitted in the left corner of the primary console)

ORDERING INFORMATION

7088D **Adjustable AC Power Supply Module with digital displays**

Due to continuous development Time Electronics reserves the right to change specifications without prior notice.