



## Description

The 7088D provides variable 50 Hz AC power up to 10 A. 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 4 mm safety terminals. The output is protected by a 10 A 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 standard 7088D is not isolated from the mains supply so the highest output voltage is dependant upon the mains line voltage (ie 265 V at 240 V input, 121 V at 110 V input).

The 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.

Various regional socket types can be fitted to the 7088D. Common types include UK 13 A, Euro Schuko 16 A and US 15 A. The socket is specified when ordered. Additionally the module has 4 mm shrouded sockets for use.

## Specifications

<b>Power</b> .....	Dependant on the mains supply to the bench (not isolated).
<b>Output Voltage</b> .....	Variable 0 to 110% above line input. Example Voltage Inputs/Outputs: 0 to 265 V 50 Hz, 10 A at 240 V input. 0 to 121 V 50 Hz, 10 A at 110 V input.
<b>Output Current</b> .....	0 to 10 A maximum.
<b>Input Fuse</b> .....	10 A slow blow.
<b>Output Circuit Breaker</b> .....	10 A (medium response time).
<b>Accuracy</b> .....	1 %.
<b>Displays</b> .....	2 digital displays for voltage and current, W 57 x H 53 mm each. Features: Green backlight colour, high contrast anti-glare LCD screen, 4 digit reading and bar graph display.
<b>Display Resolution</b> .....	Display: 4 digits for V & I. Voltage Resolution: 0.1 V / Current Resolution: 0.01 A.
<b>Switches</b> .....	Mains power on/off switch and an independent incoming power switch.
<b>Output Socket</b> .....	Specified on ordering, UK, Euro, US, Indian types and more available (see separate data sheet for details).
<b>Additional Output Sockets</b> .....	4 mm shrouded sockets (safety terminals).
<b>Earthing</b> .....	A PE socket is provided for wrist bands, mats, etc (see separate data sheet for details).
<b>Output Voltage Control</b> .....	Front panel analogue deviation control.
<b>Module Width</b> .....	350 mm (typically fitted in the left corner of the primary console).

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

## Features

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