



Description

The 7075D provides an isolated DC supply. Output is pre-specified and configured in the factory between 96 and 144 volts with a current capacity up to 7.5 amps. Output voltage and current are displayed on two digital meters, with access from two 4 mm shrouded sockets.

A dedicated power switch enables the supply to be controlled independently from the rest of the console and the power indicator shows when mains power is being applied to the switch.

If the current exceeds the preset level, the supply will revert to constant current mode, reducing the voltage to limit the power to 800 watts. To avoid arking it is important to connect the test load before switching on and to switch off before removing the load.

Specifications

Output voltage	Preset at a fixed voltage between 96 V and 144 V DC. Customer specified on order ($\pm 1.5\%$).
Output current	7.5 A max (limit to 800 W) / 2.5 A max 300 W @ 110 V AC Input.
Line regulation	$\pm 0.1\%$.
Load regulation	$\pm 0.5\%$.
Output accuracy	$\pm 1.5\%$ of reading.
Output ripple (> 50 Hz)	< 50 mV RMS.
Hold up time	> 5 ms.
Over current protection	Above about 7.5 A reverts to constant current mode.
Display	Four-digit LED Voltage display with over-voltage indication.
Output sockets	4 mm shrouded safety sockets.
Line voltage	110 V or 230 V AC 50/60 Hz. <i>Note: Module is de-rated to 300 W at 110 V AC input.</i>
Module width	130 mm (primary or secondary console fitting).

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

Features

- 96 V to 144 V preset single fixed output
- Output Current 7.5 A max (to 800 W)
- 4 mm shrouded output sockets
- Line regulation: $\pm 0.1\%$
- Load regulation: $\pm 0.5\%$
- Output accuracy: $\pm 1.5\%$ of reading
- Output ripple (> 50 Hz): < 50 mV rms

Ordering Information

7075D..... Fixed DC Power Supply Module
Specify output voltage between 96 and 144 V DC.
Common versions: 110 V DC, 115 V DC and 125 V DC