



## Description

The 7075 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 monitored on two analogue moving coil meters, access is 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 to 110 V DC $\pm 1.5\%$ (96 V to 144 V).
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.
Meters.....	DC moving coil meters to standard DIN specification, 90° scale arc. ..... Manufactured to BS89/IEC51.
Output sockets.....	Mains voltage (0 to 300 V or 0 to 150 V).
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.....	160 mm (primary or secondary console fitting).

## 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

**7075** ..... 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