



Description

The 7087 is a quad DC power supply that provides four fixed independent floating supplies in one compact module. The voltage and current ratings are 6 V (20 A), 12 V (10 A), 24 V (6 A), 48 V (3 A).

Operation is simple with each supply having a dedicated control switch and power LED indicator. Output connections are industry standard 4 mm shrouded sockets spaced at 19 mm. The supplies can be connected in series to obtain an alternative output voltage. However, the current rating is that of the lowest rated supply. The supplies must not be connected in parallel.

The module is commonly used on the CalBench as a stable power source for powering loop transmitters. The mA signal measurement is performed on a module such as the 8060 process calibrator, 7051 electrical calibrator, or 5065B digital multimeter.

Specifications

Output	4 fixed independent floating supplies: 6 V (20 A), 12 V (10 A), 24 V (6 A), 48 V (3 A)
Output Connection	Via 4 mm shrouded sockets spaced at 19 mm
Switches	4 on/off front panel switches - 1 for each supply
Ripple and Noise	50 mV or 1 % pk-pk of VNOM, whichever is greater
Regulation	6 V \pm 200 mV at 20 A; 12 V \pm 100 mV at 10 A; 24 V \pm 150 mV at 6 A; 48 V \pm 300 mV at 3 A.
Short Circuit Protection	Burst mode, period: 125 ms; duty cycle 3 %.
Current Overload Protection	125 % of rated current.
Voltage Overload Protection	Latching x 60 % of nominal voltage for each supply
Indicators	4 separate voltage power LED indicators: 1 for each supply
Terminal Isolation	To ground - 250 V DC maximum
Module Width	80 mm (primary or secondary console fitting)

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

Features

- 4 fixed independent floating supplies:
6 V (20 A), 12 V (10 A), 24 V (6 A), 48 V (3 A)
- 4 mm shrouded output sockets
- Suitable for powering loop instrumentation
- Voltage overload protection
- Current overload protection
- Supplies can be connected in series to obtain an alternative output voltage
- Ripple and Noise: 50 mV or 1 % pk-pk



Ordering Information

7087 Fixed Quad DC Power Supply Module