



## Description

The 7083 dual 24 V DC power supply provides two independent 24 V (2 A) supplies. Both are floating with respect to each other, and ground. It is suitable for powering loop signal instrumentation and other equipment requiring 24 V DC.

It is a simple operation module featuring a power on/off switch, fuses, and LED indicators on the front panel. A separate mains earth socket is also provided for connection to anti-static wrist bands and mats.

The module is commonly used on the CalBench as a stable 24 V power source for powering loop 4 to 20 mA 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**..... 2 x 24 V DC (2 A) power supplies.  
**Output connection**..... Via 4 mm shrouded sockets spaced at 19 mm.  
**Switches** ..... On/off front panel switch.  
**Ripple**..... Typically 240 mV.  
**Regulation** ..... Typically 2 %.  
**EMI filter** ..... EN55022 class B  
**Current overload protection**..... 2 A 20 x 5 mm quick blow fuses, electronic voltage foldback at 1.1 to 1.5 times the max output current (2 A).  
**Voltage overload protection**..... 1.1 to 1.25 above nominal output (24 V).  
**Indicators** ..... 2 separate front panel voltage power LED indicators.  
**Earthing** ..... A PE socket is provided for wrist bands, mats, etc  
**Module Width**..... 130mm (primary or secondary console fitting).

## Features

- 2 independent 24 V (2 A) floating supplies
- 4 mm shrouded output sockets
- Suitable for powering loop instrumentation
- Voltage overload protection
- Current overload protection
- Ripple: Typically 240 mV
- Regulation: Typically 2 %
- Separate mains earth socket provided

## Ordering Information

**7083**..... Dual 24 V Fixed DC Power Supply Module

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