



## Description

Mains power for Time Electronics CalBench is controlled via the 7082 single-phase module equipped with two mains power sockets (types selectable). A further four sockets are fitted on the underside of the primary console, with two positioned at either end of the console, providing outlets for use across the bench. The 7082 is fitted as standard in every CalBench system.

On the module a main power switch, residual current circuit breaker with over-current protection (RCBO), and under console lighting switch are included. Mains input and lighting supply lines are filtered. The mains voltage is continuously monitored on a digital meter. The two front panel sockets can be supplied via an isolation transformer as an optional extra (7063). With this fitted the total current from the two sockets is limited to 1 A.

Various regional socket types can be fitted to the 7082 and the four designated under console positions. Common types include UK 13 A, Euro Schuko 16 A and US 15 A. The sockets are specified when ordered (see separate data sheet for all available types).

## Specifications

<b>Power</b> .....	From a single phase mains supply via a 16 A heavy duty type. IEC mains socket located on the rear of the bench primary console.
<b>Switches</b> .....	Mains power on/off switch to provide isolation for the entire bench. Lighting switch to provide separate control of the worktop lighting.
<b>Protection</b> .....	16 A overload protection for entire bench. Residual current protection is 0.03 A.
<b>Sockets</b> .....	Earthed sockets: 2 on console front panel, 4 under console.
<b>Meters</b> .....	Mains voltage (0 to 300 V).
<b>Filters</b> .....	2 filters (mains and lighting) fitted to attenuate mains spikes.
<b>Cooling</b> .....	2 mains powered 80 mm cooling fans are fitted internally to the console.
<b>Earthing</b> .....	A PE socket is provided for wrist bands, mats, etc. All metal parts of the bench are connected to mains earth.
<b>Module width</b> .....	270 mm (fitted in the right corner of the primary console).

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

## Features

- Fitted as standard in the TE CalBench
- Single-phase unit with 2 front panel sockets
- Digital volt meter (0 to 300 V)
- 16 A overload protection for bench
- 2 filters fitted to attenuate mains spikes
- PE socket for esd equipment
- Various socket types available
- Optional isolated mains sockets (7063)
- Vacuum pump power switch option



Under console power sockets and LED light panel as standard.  
Communication ports feature when a control centre module is ordered.

## Ordering Information

**7082..... Mains Power Controller Module**  
*(included with 7080 and 7080-HD CalBench systems as standard)*