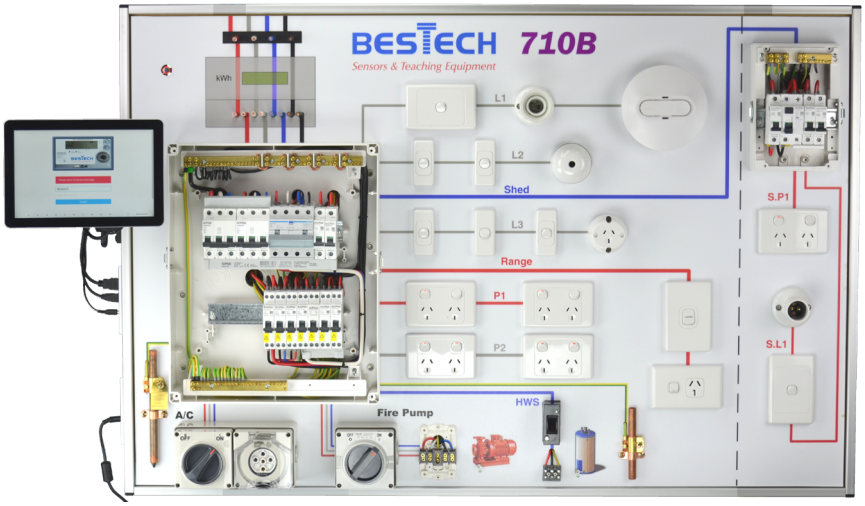
BESTECH 710B

Sensors & Teaching Equipment

Computer Controlled Electrical Training and Assessment Panel with Integrated 10-inch Touch Screen and Remote Fault Activation



Key Highlights:

- Locally designed and manufactured in Australia
- AS/NZS 3000:2018 compliant
- UEEEL0039 compliant
- 10” Touch Screen Control
- Integrated Software
- Up to 45 simulate faults
- Embedded web server for PC connection
- Test isolation procedures on systems with multiple energy sources
- Remote fault activation

Product Description:

The Bestech 710B Computer Controlled Training and Assessment Panel represents a low voltage domestic installation including three-phase circuits and sub mains, with 45 switchable faults, controlled by the Instructor locally or remotely. The simultaneous operation of multiple panels from one PC utilises the embedded web interface of connected panels.

The design of the 710B panel complies with AS/NZS 3000:2018 and both the current and previous Electrotechnology training packages. In particular, it aids in the practical assessment of a students competency in UEEEL0039 (Design, install and verify compliance and functionality of general electrical installations), which supersedes UEENEEG105A (to verify the compliance and functionality of low voltage general electrical installation).

This new generation electrial testing panel is configured with 45 faults across five major categories;

- Open Circuit, Short Circuit & Interconnections
- Polarity
- Fault Loop Impedance
- Earthing, and
- Insulation Resistance Faults.

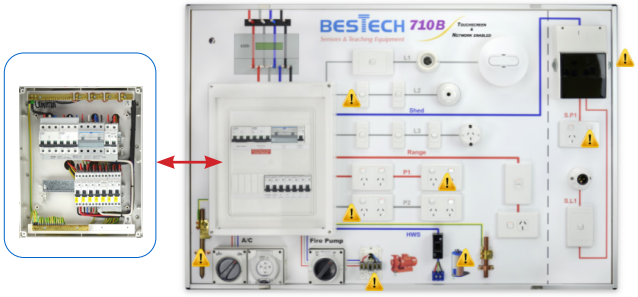
These ensure that a different fault scenario is available for every student. The 710B is equipped with the 10” touch screen control. It eliminates the need for external software and allows the Instructor to apply faults to the panel without a PC connected. Additionally, remote fault insertion can be done via the embedded web server when the board connects to a network.

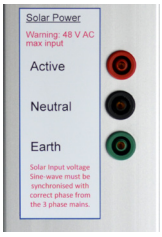
This 710B testing panel also has an alternative energy input and associated switchgear to test for correct Isolation practices with multiple energy sources and independent earth terminal.

U14/ 44 Garden Boulevard, Dingley VIC 3172
www.bestech.com.au
Email: enquiry@bestech.com.au
Phone: (03) 9540 5100

Standard Components:

- Main Switchboard
- Sub Main Distribution Board
- Three-Phase 'Air Conditioning' Circuit
- 3 Power Circuits (5 GPOs)
- 4 Lighting Circuits; 2-Way and 3-Way
- Smoke Detector ITC
- 'Hot Water' Circuit with Isolation Switch
- 'Range' Circuit
- 3 Phase Safety System Circuit
- Earth Electrode
- Equipotential Bond
- Alternative energy input
- Independent earth





Solar Input and switch gear to test isolation procedures in systems that have multiple energy sources

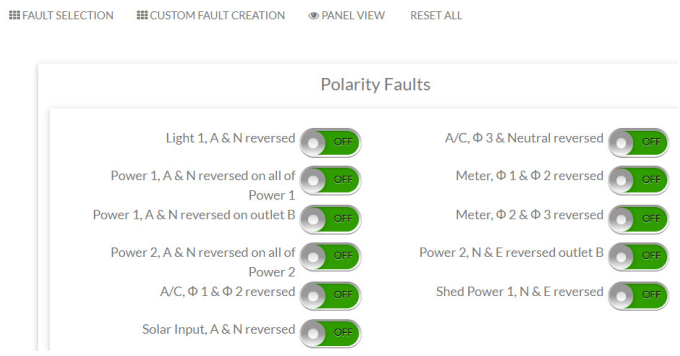
Software Interface:

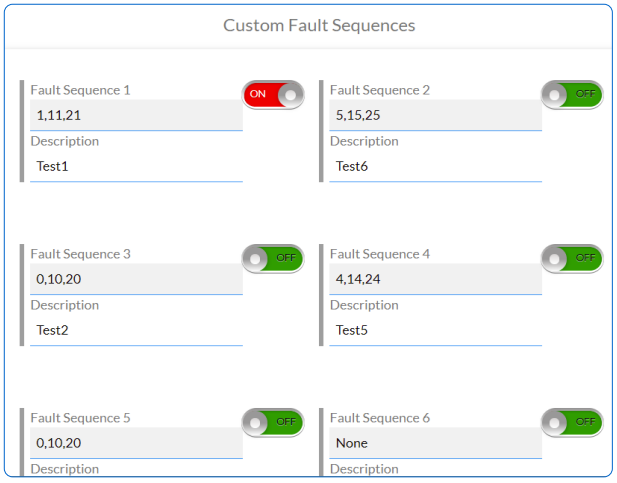
The new integrated software is a browser-based interface which works on all major browsers. Instructors can view the active faults in "Panel View" either over the network or on the panel itself. It does not require external software and can run independently without a laptop. If users choose to, they can connect via a network using WiFi or Ethernet.

Faults are grouped into five different categories. They can be individually applied or configured as a fault sequence from the "Custom Fault Creation" page. This feature allows the instructor to store up to ten pre-defined fault sequences on each panel.

As the validated fault sequences can be stored on the panel and recalled at the touch of a button, instructors can easily set which sequences to be assigned to each students to ensure that each students receives fair assessment.

The panel also remembers which faults are active in the event where power supply is cut off halfway through an assessment. It allows you to re-apply those faults immediately after the next login.





Mounting Accessories:

The 710B panel can be delivered in either bench-mount **(a)** or full-height stand **(b)**. Wall-mounting bracket sets are also available

Dimensions : 1208mm (W) x 808mm (H) x 80mm (D)
Weight : 37kg (without stand)

(a)

(b)

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