



Product Information Sheet

Clamp Lock & IBCL Points Simulator

Type: SIM 301

Clamp Lock Points Simulator – SIM 301

The Clamp Lock Points Simulator (the Simulator) connects to signalling tail cables in order to simulate Points Operating Equipment (POE).

The Simulator provides:

- loads similar to that of a Clamp Lock points machine (motor and valves).
- normal and reverse points detection contacts
- a mechanism to simulate detection failure.

The Simulator is portable, robust, easy to use and has an integral re-chargeable battery.

Environment

This unit is suitable for use at the trackside during testing.

Electrical connections

The Simulator has three plug couplers; two 4 contact couplers and a 13 contact coupler. These couplers enable the Simulator to be connected in place of a Clamp Lock Points Machine.

The Simulator also has a charger connector for a battery charger to be connected.

Controls and Indications

The Simulator has an ON/OFF push button switch and a Function Switch that is used to set the detection contact break time and the state of the detection contacts.

The Simulator has the following indicators:

- Normal switch detection contact
- No detection contact
- Reverse switch detection contact
- Ten detection delay time indicators
- Normal valve drive
- Reverse valve drive
- Motor drive
- Temperature normal
- Battery

Restrictions

This unit should be used only to simulate the 120V operation Clamp Lock Points Machines.

Fuses

The Simulator has fuses to protect the detection contact relays and the drive detection circuits.

Outline

The Simulator is of robust construction, having a non-metallic case, dimensions 251mm x 257mm x 121mm and weighing 8kg.

The Simulator has a carrying handle.

