

# Points Simulator Type: SIM 101



The HWI000 & HW2000 Points Simulator (the Simulator) connects to signalling tail cables in order to simulate Points Operating Equipment (POE).

The Simulator provides:

- a load similar to that of a HWI000 or HW2000 points machine
- left-hand (LH) and right-hand (RH) 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.

### **Restrictions**

This unit is suitable for use only with the 120V operation, BICC style connector versions of the HWI000 & HW2000 Points Machines.

### **Electrical connections**

The Simulator has two plug couplers; a 4-pin coupler and a 10-pin coupler. These couplers enable the Simulator to be connected in place of a Points Machine.

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

### **Fuses**

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

### **Controls and Indications**

The Simulator has an ON/OFF push button switch.

The Simulator has 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:

- LH switch detection contact
- No detection contact
- RH switch detection contact
- I0 detection delay time indicators
- Drive to close LH switch
- Drive to close RH switch
- Battery
- Temperature Normal
- Heater

### **Outline**

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

The Simulator has a carrying handle.

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