



Product Information Sheet

AWS Simulator

Type: SIM 401

AWS Simulator – SIM 401

The AWS Simulator (the Simulator) connects to the AWS supply to be tested in order to simulate the loading of an AWS.

The Simulator provides:

- loads similar to that of all AWS Electromagnet and Suppressor Magnets in service with Network Rail.
- detection of reversed AWS Supply.
- detection of no AWS Voltage Supply applied.
- detection of Over, Under and Normal Voltage limits for AWS Voltage Supply.

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

Environment

The Simulator is suitable for use at the trackside during testing.

Restrictions

The Simulator should be used only to simulate AWS Electromagnet and Suppressor Magnets with a supply of up to 110V (input protected to 120V).

Electrical connections

The Simulator has one plug coupler to connect to standard AWS Electromagnet and Suppressor Magnet couplers. Four 4mm Jack Sockets are provided to allow monitoring the Electromagnet or Suppressor Magnet Voltages during application of the AWS Simulated Load.

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

Fuses

The Simulator has fuses to protect the input detection circuitry.

Controls and Indications

The Simulator has an ON/OFF push button switch.

The Simulator has a pushbutton switch that is used to select the type of AWS load to be simulated.

The Simulator has a pushbutton switch that is used to start the testing cycle.

The Simulator has the following indicators:

- AWS Load Applied.
- Reverse Voltage Polarity
- No Voltage Applied
- Over Voltage
- Normal Voltage
- Under Voltage
- Temperature Normal
- Battery

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.

