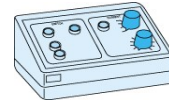


How do we test FPI?

1- The Switch and current simulator EMS58786 is used for local testing of the Easergy T300 operations:

- Simulation of a variable phase current from 0 to 750 A
- Simulation of a zero-sequence current of 40 A, 80 A or 160 A
- Simulation of a MV switch and display of its position



The simulator is supplied with connection cables: current acquisition connection cable, main power supply cable and cubicle interface terminal block connection cable.

2- A primary injection circuit may be installed through the CTs, to test the physical integrity of the complete detection system including the CTs. The test is carried out without disconnecting the CTs using an injection test case.

3- To simulate the FPI alarms on the SCADA, it is possible to force the variables through the Webserver. Here are examples of variables which can be forced.

SC01_GenSFPI1_FltInd_general	General fault indication
SC01_GenSFPI1_FltInd_phsA	Fault indication on phase A
SC01_GenSFPI1_FltInd_phsB	Fault indication on phase B
SC01_GenSFPI1_FltInd_phsC	Fault indication on phase C
SC01_PhSFPI1_FltInd_general	Phase fault detected
SC01_EfSFPI1_FltInd_general	Earth fault detected