

Update : 14/01/2013



1 - Description

This case is used during raft maintenance to realize calibration of railway sensor manufactured with current transformer.

The image of locomotive feeding current is recovered by sensor in order to check the authorization to circulate on the railway track.

This equipment has a sinusoidal current generator, ampmeter, circuit analyzer and decade resistance box.

2 - Technical data

Current generator :

- Current: 0 to 5A effective $\pm 10\text{mA}$
- Frequency: 100Hz $\pm 0,5\text{Hz}$
- Sinusoidal or impulsive method (0 to 2 seconds $\pm 10\text{ms}$)

Ampmeter 0 to 5A TRMS (panel mount)

Circuit analyzer

- Voltmeter: 0 to 100Veff TRMS
- Ohmmeter: 0 Ω to 1M Ω

Decade box 1 Ω to 1M Ω 1% 0,5W

Power grid

- Power grid: 230VAC 50Hz
- Battery: 12V 24Ah (autonomy: 2h, integrated charger)

Dimensions 500 x 500 x 500 mm

Weight 30kg