

GEN-6/-12

RECLOSER ANALYZER AND SIMULATOR



What is the GEN -6/-12 ?

The GEN-6 and GEN-12 are analyzers able to test all types of recloser control cabinets. They supply a multiplexed, programmable current injection source of 6 Amps RMS (GEN-6) and 14 Amps RMS (GEN-12), to simulate line current faults on the network and thus check the reaction times of the recloser.

These units are driven by the GEN Win software, able to perform tests and analyze data in the field or in the lab.



Multiplexed current source
0 to 6 Amps (GEN-6)
0 to 14 Amps (GEN-12)

Manual controls
1 Open
1 Close

3 type a relays

3 type b relays



Easy installation for testing thanks to a simple “plug-and-play” connection

Makes graphic result analysis easier for you by comparing the response time against the protection curves, with a 10% tolerance

You can easily analyze any type of control cabinet thanks to the many preloaded TCC curves included in GEN Win

Approved by our partner, a leader in the field



The GEN simulates the mechanical part of the recloser and checks the reaction time of the electronic part during the tests.

Various types of adapters are available for a wide range of existing or future reclosers.

CURRENT SOURCE

Number: 1 current source multiplexed over 3 outputs

Current range: 6 A rms for GEN-6
14 A rms for GEN-12

Frequency: 50/60 Hz (+/- 0.1 Hz)

Resolution: 1.46mA (GEN-6)
3.41mA (GEN-12)

Accuracy: +/- 0.1 %

CURRENT MEASUREMENT

The current is measured internally with a Hall effect transducer and the results are displayed in the GEN Win software

Number: 3 (1 per phase)

Resolution: 1.46mA (GEN-6)
3.41mA (GEN-12)

Accuracy: +/- 0.1 %

CONTACT OUTPUTS: RELAYS (SPST)

Number: 6

Absolute maximum ratings: 5A 250VAC, 5A 30VDC

ISOLATED OPEN/CLOSE INPUTS

Open command inputs: 1

Close command inputs: 1

The close and open commands are controlled:

- Either by the GEN Win software
- Or the control cabinet
- Or the front panel pushbuttons

FRONT PANEL CONNECTOR

Number: 1

Type: Amphenol

Number of pins: 26

Specification: MIL-5014

MEASUREMENT SPECIFICATIONS

A/D conversion: 12 bits

Sampling time: 44µs to 28 000µs

Sampling rate: 35.7 Hz to 22727Hz

Accuracy: +/-1 LSB

Resolution: 1µs

Recording time: 1ms to 35 minutes

Signal/noise: better than 80 dB

Graphic resolution: unlimited zoom capability to view the time and amplitude of each sample

GENERAL

Size: 13"x13.5"x7"(33x35x18cm)

Weight : 18.6 lbs (8.45 kg)

Universal power input: 110-240 VAC

Operating temperature: 0°C (32°F) to 50°C (122°F)

Storage temperature: -20°C(-4°F) to 70°C(158°F)

Humidity: 0-95% non-condensing

SYSTEM INCLUDES

GEN Win software

2 year warranty

GEN Win manual

Calibration certificate and test reports

OPTIONAL SPECIALIZED INTERFACES

Interface box for Cooper F3, F4, F5, F6

Interface box for ABB PCD, OVR-1, OVR-3

Interface box for SCHWEITZER SEL 351R, 651R

Interface box for ESV Westinghouse

Interface box for Panacea

Interface box for Artech

Interface box for Tavrída

Other interfaces available (please contact us)

INTERNATIONAL STANDARDS

Conforming to ANSI C-37-60 and IEEE Std 321-1973 international standards