

Accuracy and Reliability

Red Phase Instruments 590G-V2 is the perfect solution for utilities looking for a lightweight accurate and reliable CT testing alternative to the traditional primary injection method. With a ratio error resolution to within 0.02%, this world class CT tester has the ability to measure CT's to an accuracy Class of 0.1 and also comes optionally accessorized with an ability to perform live CT tests from 50 to 1500 Amps on up to 100kV systems and full load PT tests to an accuracy of 0.1%.

The 590G-V2 will test for compliance to international standards and users are also able to fully customize both CT and offline PT test point settings in accordance with any standard having integral injection parameters up to 400%.

With other features such as automatic ratio testing for no nameplate determination, automatic class assessment and batch testing for manufacturers, the 590G-V2 is an invaluable tool for the utility, manufacturing and services industry.

590G-V2 CT Error Tester



Capabilities

- CT/PT ratio & phase error
- Admittance at 50 / 60 & 1.6kHz
- CT/PT burden impedance
- Winding resistance
- Polarity check

Features

- 2 minute test time
- 0.02% ratio error / 1 min phase
- Test to 0.1 Class ratio accuracy
- Checks for compliance with:
IEEE C57.13 - 1993 &
IEC 60044 standards
- Test point sets customizable
- Auto class assessment
- Batch Testing
- Three Knee point calculations:
IEC 10 / 50
IEEE / ANSI 30
IEEE / ANSI 45
- Large easy to read graphic display
- Stores up to 2000 records
- Downloadable records via USB
- Maximum test voltage: 150VAC
- Ruggedized Pelican case
- Portable and light weight
- Size: 410 x 330 x 180mm

Requirements

- 85-264 Volts AC @ 50 / 60Hz or
- 12 Volt D.C. car or SLA battery
- Standby Pwr Consumption: 20VA
- Pwr Consumption under test: 50VA

