



Impulse test of 235MVA/525kV transformer

On-site, right now

GE can now perform impulse testing at your site, anytime, anywhere in North America. Our completely portable system, mounted on a specialized 53' trailer is ready for shipment and can be at your site in the time it takes to drive it there. The trailer is equipped with a collapsible cover that ensures that the generator arrives clean, dry and ready for operation.

Impulse test capabilities

GE has developed a 2.1mV portable impulse generator for testing transformers up through 500kV and 1675kV BIL. Once our trailer is located next to your transformer, the impulse tower is hydraulically erected. Our voltage divider is then set up near your transformer and grounded. From setup to completion of testing, an impulse test sequence can be completed in a couple of days. Only 480V power is required to operate the test system which GE can also supply.

Why test?

If you have received a new or rebuilt transformer that experienced rough handling during shipment or testing issues at the factory, our portable impulse test can help you confirm that insulation systems are still acceptable. If you have experienced an operational issue such as a lightning strike or other transients, let us confirm that your transformer is in operable condition prior to energization.

Testing for on-site rewinds and repairs, too

Up until now, field rewinds and major repairs were possible, but proving the repair quality through portable IEEE/ANSI testing was not. For over 30 years, GE has provided portable induced testing, but we now have the capabilities to fully offer portable high voltage testing services that will arrive at your site via specialized trailers:

- Induced testing with partial discharge – up to 1200MVA (see GEA17945)
- No load loss, load loss and temperature rise testing – up to 800MVA (see GEA18461)
- Portable impulse testing – through 500kV and 1675kV BIL
- Applied potential testing through 500kV



For more information, contact your local GE Energy office, call 1-888-GE4-SERV or 540-378-3280, or visit www.geindustrial.com/services

©2012 General Electric Company. All rights reserved.

GEA19784 (05/14)