



DGP

TRNG-DGP

GENERATOR PROTECTION RELAY

WHAT WILL I LEARN FROM THIS COURSE?

The course begins with an overview of basic Generator theory and the associated protection requirements. Through a combination of lectures and practical Lab exercises, the class will learn how to correctly configure and maintain the DGP relay.

PREREQUISITES

- An understanding of Generator protective relaying and associated electrical control circuits
- The Generator Protection Interactive Learning CD would be an asset

COURSE DURATION

2 Days

WHO SHOULD ATTEND?

Plant electrical personnel who are responsible for the installation, testing and maintenance of GE Multilin Digital Generator Protection Relays will benefit most from this course.

TUITION

\$ 1,200 US*

CEU CREDITS OFFERED

1.4 Credits

AGENDA

This class includes fully equipped group Lab exercises.

Day 1

- Generator theory
 - System overview
 - Magnetism and electromagnetism
 - Generator construction
 - Grounding systems
- Overview of DGP
 - Modular design
 - System overview
 - Areas of application
- Generator protective elements
 - Stator Differential
 - 100% Stator Ground Fault protection (64G, 27 TN)
 - Timed Overcurrent
 - Voltage Restraint
 - Current Unbalance
 - Loss of Excitation
 - Overexcitation or Volts/Hz
 - Reverse Power
 - Under/Overfrequency
 - Undervoltage

Day 2

- Generator grounding
- Ground Overcurrent
- Additional protective elements
 - Accidental Energization
- Sequential
- DGP wiring
 - CT/VT
 - Inputs
 - Outputs
- Monitoring
- Trip Circuit monitoring
- Local MMI
- DGP EnerVista Setup Software

* Tuition shown is for scheduled courses.
Contact us for custom and on-site pricing.