

COURSE NO.

PROT-002

COURSE NAME

PCS Series Protection

OBJECTIVES

Allow the participants to master the theory of protection for feeder, transmission line, transformer and busbar, to operate, configure and maintain the protection relays.

COURSE DESCRIPTION

1. Describe typical applications and protection schemes
2. Hardware platform and board configuration
3. Describe the basic protection theory
4. Instructions for operating the relay through keypad, configure the LEDs, binary inputs, binary outputs and defining logic by PCS-EXPLORER
5. Practice for PCS-EXPLORER software to customize the logic, upload, download parameters and settings via PCS-EXPLORER software
6. Read the fault events, fault waveforms from relay and analyze the fault waveforms with PCS-EXPLORER software

CUSTOMER BENEFITS

Upon completion, the course will provide

1. Comprehensive idea over feeder, transmission line, transformer and busbar protection
2. Hands on experience on PCS-Explorer
3. Mastery over data analysis to enhance the performance

RELATED PRODUCTS

1. PCS-9611 over-current relay
2. PCS-902/931 transmission line relay
3. PCS-978 transformer relay
4. PCS-915 busbar relay

PREREQUISITES

Have a reasonable understanding of electrical and protection theory

TRAINING METHODS

40 % theoretical / 60 % practical, Lecture, Demo and Practice

DURATION

5 days

