Mindluster Platform

About the course Current transformer working and types

Current transformer working course, in this course we will delve into the fundamental principles and operational mechanics of current transformers (CTs). Starting with an introduction to the basic function of CTs, which is to convert high primary currents into manageable secondary currents for accurate measurement and protection in electrical systems, we will explore how these devices work. You will learn about the magnetic induction process that occurs when a high current flows through the primary winding, creating a proportional current in the secondary winding, which can then be safely measured by standard instruments. The course will cover various types of current transformers, including Bar-Type, Window-Type, Wound-Type, Split-Core, Protection, Measuring, and Rogowski Coil CTs, highlighting their specific applications and benefits. We will discuss the importance of CT ratio, accuracy class, and burden in ensuring precise measurements. Additionally, the course will address common issues, troubleshooting techniques, and best practices for installation and maintenance. By the end of this course, you will have a comprehensive understanding of current transformer working principles and be equipped to select and utilize the appropriate CT types for different electrical applications. Join us to master the intricacies of current transformers and enhance your expertise in electrical measurement and protection systems.

Engineering Category's Courses

Course Lesson(5)

Lesson 1 :
Current transformer working animation and types of CT in Tamil How does current transformer works

Lesson 2 : **Current transformer burden calculation CT burden selection in Tamil**

Lesson 3 : **why CT Secondary should not kept open at load condition in Tamil**

Lesson 4 : **Difference between Metering CT Protection CT 5P20 Class 1 and 0 2 in Tamil**

Lesson 5 : **Current transformer name plate details in Tamil Insulation class ISF BIL Ith**

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