



**ST-VFD-01
INDUCTION MOTOR BASICS
HALF DAY**

THIS CLASS INCLUDES

HISTORY OF INDUCTION MOTORS & HOW THEY WORK
MOTOR TYPES, PARTS, & NAMEPLATE DATA
CAUSES OF MOTOR FAILURES
THERMAL PROTECTION OPTIONS
INGRESS PROTECTION
SHAFT CURRENT OPTIONS
THERMAL IMAGING & VIBRATION ANALYSIS

HANDS-ON PRACTICE

HOW TO CHECK A MOTORS INSULATION RESISTANCE
HOW TO USE AN INSULATION TESTER
HOW TO MEASURE VOLTAGE AND CURRENT TO A MOTOR

PREREQUISITES

A BASIC UNDERSTANDING OF ELECTRICAL TERMS SUCH AS
VOLTAGE, CURRENT, RESISTANCE, ETC.

SUMMARY

THIS COURSE PROVIDES YOU A BASELINE KNOWLEDGE OF INDUCTION MOTORS
AND HOW THEY ARE APPLIED IN AN INDUSTRIAL SETTING.
THIS COURSE IS IDEAL FOR ENGINEERS, TECHNICIANS AND AUTOMATION
PROFESSIONALS WHO DEAL WITH INDUCTION MOTORS ON A DAILY BASIS.



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