

Lesson 1 Pre-Test

Answer the following questions. Questions that you are not sure of, leave blank.

Multiple Choice

1. Adjustable Frequency Drives work with which of the following motors?
 - a. Single-Phase Motors
 - b. Three-Phase Motors
 - c. Four-Pole Motors
 - d. B and C are correct but not A.
 - e. A, B and C are all correct.

2. The setting for the speed of an AFD is known as which of the following:
 - a. Setpoint
 - b. Control Point
 - c. Reference
 - d. Speed Point
 - e. All of the above are common names for the speed setting.

3. Braking becomes important with an AFD during which of the following:
 - a. Stopping of the motor.
 - b. Starting the motor.
 - c. Holding the motor at zero speed.
 - d. Holding the motor at maximum speed.
 - e. Ramp-up of the motor.

4. During the Ramp-Down of the motor, which of the following limits might cause the AFD to trip and give an alarm condition?
 - a. Over-Current
 - b. Torque Limits
 - c. Over-Frequency
 - d. Over-Voltage
 - e. Minimum Limits

5. During the acceleration of the AFD, this is also known inside the drive as which of the following:
 - a. Increase Speed
 - b. Increase Setpoint
 - c. Speed UP
 - d. Ramp-Up
 - e. Run-Up

How did you do?

Answers:

1. D. Both Three-Phase and 4-Pole motors work with an AFD but not a single-phase motor.
2. C. Reference
3. A. Braking is involved with stopping the motor.
4. D. Over-Voltage alarms appear mainly during ramp down.
5. D. Acceleration is also known as Ramp-Up.

If you got 4 or 5 right – skip to Lesson 2.

If you only got 3 or less right please review this lesson.