

COURSE DESCRIPTION

Integrated Condition Monitoring

Emonitor Advanced

COURSE AGENDA

Day 1

- Review of Database Setup and Configuration
- Measurement Options
- Special Measurements

Day 2

- Advanced List Options
- Load / Unload and Data Import Review
- Detailed Plotting

Day 3

- Creating Custom Plots
- Plot Overlay, Linking and Locking
- Creating Custom Reports

Day 4

- Statistical Alarms and Outlier Detection
- Spectral Band and Narrowband Alarming
- Configuring and Using Frequency Items



COURSE NUMBER: EK-ICM221

Course Purpose

This course helps the established user increase their efficiency and their overall program effectiveness using Emonitor Odyssey / Enshare. In-depth coverage of the program provides the information needed to customize operations for specific machine applications. Set-up of advanced measurements and custom templates tailor the database to fit your most difficult machine applications. Customized reporting and plotting allows you to design program output that is most readily understood within your plant. The statistical alarming capabilities are covered thoroughly, providing you with the most powerful tool for efficient use of Overall, Band and Narrow-band Spectral Alarms.

Who Should Attend

Individuals who are established users of Emonitor Odyssey / Enshare should attend this course. This course also covers the prerequisite knowledge needed to attend and be successful in the *Vibration Analysis 2* course (Course No. EK-ICM261).

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Integrated Condition Monitoring

Prerequisites

To successfully complete this course, students should have one year or more experience with the product along with previous attendance to the *Vibration Analysis: Level I* (EK-ICM201) or similar course. A thorough working knowledge of Windows® is required.

Student Materials

To enhance and facilitate students' learning experience, the following materials are provided to each student as part of the course package:

- *Student Manual*, which contains the key concepts, definitions, and examples presented in the course, including:
 - *Adapting the Database for Variable Speed Machines*, with steps for linking frequency items to measurement points loaded to the dataPAC 1500.
 - *Alarm Criteria for Overall, Band and Statistical Alarms*, which summarize acceptable levels of vibration and overviews how to use statistics.
 - *System Functional Layout Maps*, providing a handy, single-page reference for the seven main areas of the software.

Hands-On Practice

Hands-on practice is a necessary part of learning and this course offers hands-on opportunities for use of Emonitor Odyssey / Enshare systems. Experienced users will realize significant benefits from the practical hands-on instruction of this course. Students will gain experience by modifying a machinery information database, customizing plots for analysis, reviewing report options and integrating vibration data into other Windows® programs, using statistical alarms, and setting up frequency items.

Next Learning Level

Once students have mastered the fundamental skills covered in this course, they will have the knowledge and skills necessary to attend the next level of Integrated Condition Monitoring technology or product training. In particular, this course will benefit those students enrolling in the *Vibration Analysis: Level II* course (Course No. EK-ICM261).

Course Length

This is a four-day course.

Course Number

The course number is EK-ICM221.

IACET CEUs

CEUs Awarded: 2.8



To Register

To register for this or any other Rockwell Automation training course, contact your local authorized Allen-Bradley Distributor or your local Sales/Support office for a complete listing of courses, descriptions, prices, and schedules.

You can also access course information via the Web at <http://www.rockwellautomation.com/training>

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