

Integrated Condition Monitoring

COURSE DESCRIPTION

Emonitor Basic

COURSE AGENDA

Day 1

- Overview of Windows and Emonitor
- Building a Database
- Adding Machines, Locations and Measurements

Day 2

- Using Templates
- Editing Existing Databases
- Creating, Saving and Using Lists

Day 3

- Loading and Unloading
- Importing Data
- Plot Overview and Options
- Creating Custom Plots

Day 4

- Reports
- Using Plots and Reports with Word Processors
- Alarm Setup and Options
- Overview of Frequency Items



COURSE NUMBER: EK-ICM141

Course Purpose

This course is geared towards those users of Emonitor who have been using it for less than one year and is designed to put you on the fast track to success using this system. You will become familiar with the features and operation of Windows® and Emonitor. Instruction on the basics of installation, database set-up and loading / unloading data collectors guide you through the process of gathering machinery information. Interpreting this information using a variety of plots and reports is then covered, helping you to put your system to work solving machinery problems.

Who Should Attend

Individuals who are new to Emonitor and must use it either daily to complete their duties, or only occasionally to look up data, run reports or act as a system administrator should attend this course. This course also covers the prerequisite knowledge needed to attend and be successful in the *Emonitor Advanced* course (Course No. EK-ICM221).

Prerequisites

To successfully complete this course, students should have previous attendance to the *Vibration Analysis Fundamentals* (EK-ICM101) or similar course. A basic working knowledge of Windows® is required.

Student Materials

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

- *Student Manual*, which contains the key concepts, definitions, and examples presented in the course, including the following topics:
 - *Database Setup*, with steps for quickly adding machinery to your database and recommended measurement settings.
 - *Vibration Severity and Spectral Band Alarm Charts*, which summarize acceptable levels of vibration and how to establish alarms to detect excessive vibration on machines.
 - *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 systems. New users will realize significant benefits from the practical hands-on instruction of this course. Students will gain practical experience by building a machinery information database, creating a list, loading and unloading a route from a data collector, viewing data with plots and reports, and an overview of alarm options and settings.

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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 *Emonitor Advanced* course (Course No. EK-ICM221).

Course Length

This is a four-day course.

Course Number

The course number is EK-ICM141.

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>