

Training Course Agenda for FA-M3 Engineering

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| Course Code | : | FAM3EG |
| Objectives | : | The trainees will gain a detailed understanding of the FA-M3 hardware, and internal register structure. The trainees will learn to use the Widefield PC tool for monitoring and modifying the ladder logic program within the PLC. |
| Course Duration | : | 2 days |
| Training Hours | : | morning session 9 ⁰⁰ to 12 ⁰⁰ afternoon session 13 ⁰⁰ to 16 ⁰⁰ |
| Trainees | : | 6 maximum |
| Participants | : | For engineers and technicians who will be required to maintain and modify the PLC. |
| Prerequisite | : | Participants should have some experience in using PLC's, and must be familiar with ladder logic. |
| Documentation | : | FA-M3 Engineering Training Manual |
| Location | : | Please refer to the supplied Orientation sheet for venue details |
| Additional Information | : | Lunch will be provided. |
| Contact Information | : | National Training Centre Yokogawa Australia Pty Ltd Tower A Level 2 112 – 118 Talavera Rd, MACQUARIE PARK NSW 2113 AUSTRALIA |
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Course Content

| Time | Description | Workshop |
|-------------|---|---------------------------------|
| Day 1 | FA-M3 Hardware Configuration | Assemble a PLC |
| | Functional Specifications of the PLC | |
| | - Hardware component specifications | |
| | - Software specification and capacities | |
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| | Widefield basic operation | Using Widefield |
| | Structure of the program | |
| | Programming methods and procedures | |
| | - Editing Circuits | |
| | - Creating a program | |
| | - Creating a ladder block | |
| | - Instructions | |
| Day 2 | | |
| | Programming (cont.) Maintenance Functions - Displaying Alarms | Exercises in ladder programming |
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| | - Displaying System Log | |
| | - Creating and Displaying a User Log | |
| | - Comparing programs between PLC & PC | |
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| | Sampling Trace function | |
| | - What is the trace function | |
| | - How to set it up | |
| | - Operation and viewing of the results | |
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