

Omni Flow Computer Training - Technical

This two and a half (2 1/2) day course is targeted for the Instrumentation and/or Electronic Technician and strives to instill foundational knowledge related to installing, wiring, maintaining, and troubleshooting Omni Flow Computers. Complete fundamental Omni Configuration and Setup options using OmniCom are also covered.





OMNI FLOW COMPUTER TRAINING - TECHNICIAN LEVEL

The course fee is \$2,950 + GST per person. This includes all training materials as well as lunch on Day 1 & 2. The course will be presented by a qualified Omni trainer and Omni Flow Computer Simulators will be used.

COURSE OUTLINE

DAY 1

8:00 - 8:30am

Module 1 - Introduction

- Section A - Have instructor introduce himself and describe course objectives, explain training environment, and have participants introduce themselves/provide input (expectations).

8:30 - 8:50am

- Section B - Discuss Omni and how they interact with flow systems.

8:50 - 9:00am

- Break

9:00 - 9:20am

Module 2 - Hardware of 3000/6000

- Section A - Discuss front panel layout and functions (overview).

9:20 - 9:50am

- Section B - Discuss housing models and back plane. Enforce slot and terminal block configuration.

9:50 - 10:00am

- Break

10:00 - 11:30am

- Section C - Describe digital module, serial module, and Combo Card (hardware); layout, configuration (jumper settings), use, I/O measurement selections.

11:30 - 12:30pm

- Lunch

12:30 - 1:00pm

- Continuation of Module 2 Section C.

1:00 - 3:00pm

Module 3 - Front Panel Operations

- Section A - Have learners perform basic operator functions on the front panel. Conduct basic configurations and show a few complex configurations.

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Course Outline (cont'd)

DAY 2

8:00 - 8:15am

Recap of Day 1 activities and review of major points

8:15 - 11:30am (breaks as needed)

Module 4 - OmniCom for Windows

- Section A - Discuss configuration of Omni 3000/6000 using OmniCom for Windows setup.
Includes General Setup, Omni I/O, Ports, Meter Runs, Products, Counters and displays.
(Note: Will take current configuration ideas from learners so they can see how OmniCom for Windows makes configuration easier and more efficient).

11:30 - 12:30pm

- Lunch

12:30 - 3:00pm (breaks as needed)

- Section B - Discuss Use and configuration of batches, provers, custom data packets, and printers.
(Discuss what learners current utilize in their systems to show how OmniCom applies to their 'real world' activities).

DAY 3

8:00 - 8:15am

Recap of Day 2 activities and review of major points

8:15 - 10:00am (breaks as needed)

Module 5 - Troubleshooting

- Section A - Learners will perform basic wiring and calibration of 4-20mA, RTD, and 1-5 V signals and check communication lines.

10:00 - 12:00 noon

- Section B - Learners will perform exercises to prove their understanding of the operation and maintenance of the Omni 3000/6000.