

AutoEXEC Training Course Outline

	Module 1	Module 2	Lunch	Module 3
Session	8:30 – 9:00 am	9:00 – 11:30 am	11:30 - 12:30 pm	12:30 - 5:00 pm
Day 1	<p>Course Basics Welcome Introductions Get Acquainted Course Objectives Data Sheet Completion</p>	<p>Product Information Product Definition/Application Principle of Operation Metering Devices Measurement Principle: Boyle's Law and Supercompressibility Formulas AutoEXEC Models and Unit Basics: NEMA 4X--Rack/.Panel Mount Power: AC vs. DC Power Charging Source Backup Battery Expansion Capabilities: Expansion Rack and Boards Hot Swapping Flow Data Calculations: Averaging Averaging Techniques Alarms: Flow Rate Energy Rate Analog Inputs Discrete Inputs Operating Temperature Safety Rating AutoCONFIG Software Communication: Ethernet Ports USB Ports RS-232 Serial Ports RS-485 Connections Communication Devices: Hard Wire Land Line Cellular Devices Licensed and Spread Spectrum Radios Control Capabilities:</p>	<p>Provided</p>	<p>Hardware Rack/Panel Mount Model: External Hardware Internal Hardware Board Positioning NEMA 4X Model: External Hardware NEMA 4X Internal Hardware Board Positioning CPU Board: Microprocessor and Memory Lithium Backup Battery Ethernet Connection USB Connection Host RS-232 Serial Connection Local RS-232 Serial Connection Backplane DC Power Supply: Fuse Ribbon Cable to Keypad and LCD Power Fail Contact Connection Power and Ground Connections AC Power Supply: Expansion Boards: Theory of Board Addressing Analog Input Board: Purpose Number of Connections Wiring Converting 4-20 mA to 1-5Vdc LED Rotary Switches Analog Output Board: Purpose Number of Connections Wiring Rotary Switches CAL LED</p>

		PID (Proportional Intergral Derivative) SCADA Systems Test Your Knowledge Exercise Manufacturing Plant Tour		CAL Jumper Wiring
	Module 3 (Cont)	Lunch	Module 4 (Hands-On)	Module 5 (Hands-On)
Session	8:30 - 11:30 am	11:30 - 12:30 pm	12:30 - 1:30 pm	1:30 - 3:00 pm
Day 2	Hardware Digital Input Board: Purpose Number of Connections Wiring Rotary Switches Number of Connections Wiring Digital Output Board: Purpose Number of Connections Wiring Rotary Switches Pulse Input Board: Purpose Numberof Connections Wiring Rotary Switches Channels: Switch Settings Communication's Board: Purpose RS-232 Serial Ports RS-485 Ports USB Ports HoneyWell DE Communication's Board: Purpose Number of Connections Wiring Rotary Switches Expansion Board Part Number List Expansion Racks: I/O Boards Power Supply Daisy-Chaining Hot Swapping	Provided	Software Simple Configuration Advanced Configuration Calibration	Hardware Installation Board Installation Exercise Reconnfiguring a Unit Diagram Orientation

	Backplane Switch Settings Test Your Knowledge Exercise			
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	Module 6 (Hands-On)	Module 7 (Hands-On)	Module 8	
Session	3:00 - 3:30 pm	3:30 - 4:00 pm	4:00 - 5:00 pm	
Day 2	Maintenance Backup Battery Testing	Troubleshooting Solving LED Issues Incorrect Board Data Time and Date Displaying Incorrectly Digital Input and Communication Board Issues Handling Noisy Communication Test Your Knowledge Exercise	Literature Test Review End of Course Test Course Evaluation	