



TECHNICAL LABORATORY SYSTEMS, INC.
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DATE: January 10, 2023

PREPARED FOR:

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Amatrol

<u>Model Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Price Each</u>	<u>Total</u>
990-ACDC1 with qty 15 H11133 included	<p>Portable AC / DC Electrical Learning System <u>Requires 100-240V/50-60Hz/1ph electrical and PC. For PC requirements, see amatrol.com/support. Recommended table 82-610 Mobile Technology Workstation or equivalent.</u> Optional 23150 Spare Parts kit available.</p> <p>Includes: (1) Portable Console; (1) Power Cord; (1) Output Component Set; (1) Input Component Set; (1) Transformer Module; (1) Capacitor/Inductor Set; (1) Digital Multimeter; (1) Fuse Puller and Fuses; (1) Neon Circuit Tester; (1) M11133 Student Curriculum - Interactive PC-Based Multimedia; (1) C11133 Instructor's Guide; (1) K11133 Instructor's Resource Print CD; (1) D11133 Installation Guide; (15) H11133 Student Reference Guide.</p>	1	\$7,970.00	\$7,970.00
990-EC1 with qty 15 H11132 included	<p>Portable Electric Relay Control Learning System <u>Requires 100-240V/50-60Hz/1ph electrical, compressed air and PC. See amatrol.com/support for PC requirements. Recommended table 82-610 Mobile Technology Workstation or equivalent.</u></p> <p>Includes: (1) Portable Console; (1) Power Cord; (1) Relay Control Components; (1) Electro-Pneumatic Component Set; (1) Electric Motor; (1) Lead Set; (1) M11132 Student Curriculum - Interactive PC-Based Multimedia; (1) C11132 Instructor's Guide; (1) K11132 Instructor's Resource Print CD; (1) D11132 Installation Guide; (15) H11132 Student Reference Guide.</p>	2	\$6,228.00	\$12,456.00
950-ELF1 with qty 15 H12204	<p>Electrical Fabrication 1 Learning System <u>Requires 120V/60Hz/1ph electrical. Recommended table 82-610 Mobile Technology Workstation or equivalent. Also requires PC, see amatrol.com/support for PC requirements.</u></p> <p>Includes: (1) Tabletop Workstation; (1) Circuit Breaker Panel; (3) Single-Gang Electrical Boxes; (2) Octagonal Electrical Boxes; (1) Double-Gang Electrical Box; (1) Fluorescent Light Fixture; (1) 33565 Hand Tool Package; (1) 33567 Electrical Package; (1) 33566 Electrical Consumable Package; (1) M12204 Student Curriculum - Interactive PC-Based Multimedia; (1) C12204 Instructor's Guide; (1) K12204 Instructor's Resource Print CD; (1) D12204 Installation Guide; (15) H12204 Student Reference Guide.</p>	2	\$5,928.00	\$11,856.00

Estimated delivery is 120+ days after receipt of order.
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990-MC1F with qty 15 each H11134 and H11152	<p>Portable Electric Motor Control Troubleshooting Learning System (Regular Banana Leads)</p> <p><u>Requires 208V/60Hz/3ph electrical and PC. (Optional 16880 cable for 240V/60Hz/3ph Delta configuration available.) For PC requirements, see amatrol.com/support. Recommended table 82-610 Mobile Technology Workstation or equivalent.</u></p> <p>Includes: (1) Portable Console; (1) AC 3-Phase Motor; (2) Control Relays; (1) Timer Relay; (1) Reversing Motor Starter; (1) Manual Motor Starter; (1) Overload Relay Section; (1) Drum Switch; (1) Operator Inputs Station; (1) Liquid Level Switch; (1) Pressure Switch; (1) Limit Switch; (1) Regular Banana Lead Set; (3) Indicator Lamps; (1) Multimeter; (1) Lockout/Tagout Kit; (1) Fault Insertion System and Software; (1) M11134 and M11152 Student Curriculum - Interactive PC-Based Multimedia; (1) C11134 and C11152 Instructor's Guide; (1) K11134 and K11152 Instructor's Resource Print CD; (1) D11134 and D11152 Installation Guide; (15) H11134 and (15)H11152 Student Reference Guides.</p>	2	\$15,388.00	\$30,776.00
990-PABCL1F includes 82-8RSM and qty 15 H40087	<p>Portable PLC Troubleshooting Learning System - AB CompactLogix</p> <p><u>Requires 82-8RSM RS Logix 5000 Mini for education or 82-8RSMI for all other organizations, PC, 100-240V/50-60Hz/1ph electrical, and compressed air. Recommended 82-610 Mobile Technology Workstation. For PC requirements, see amatrol.com/support. Also requires a router if using more than one 990-PABCL1F on the same network.</u></p> <p>Includes: (1) Allen-Bradley L16 Processor; (1) Fault Insertion System and Software; (16) 24 VDC Digital Inputs; Digital Outputs; (1) HMI Panel; (1) 24VDC Power Supply; (1) Built-in Power Supply; (1) I/O Simulator Console; (1) Application Panel; (1) Mobile Carrying Case with Workstation Mounting Panel; (1) USB Cable; (1) N40087 Student Curriculum - Interactive PC-Based Multimedia; (1) C40087 Instructor's Guide; (1) K40087 Instructor's Resource Print CD; (1) S40087 Supplemental Disk; (1) D40087 Installation Guide; (15) H40087 Student Reference.</p> <p>82-8RSM Studio 5000 Mini PLC Programming Software - 1 Seat License, EDUCATION ONLY</p> <p>Available exclusively to secondary and post-secondary educational organizations. Studio 5000 Logix Designer software for A-B CompactLogix PLC's to allow off-line/on-line programming of ladder diagrams. For PC requirements, see amatrol.com/support.</p> <p>Includes: (1) Seat License.</p>	2	\$14,893.00	\$29,786.00

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<u>Model Number</u>	<u>Description</u>	<u>Quantity</u>	<u>Price Each</u>	<u>Total</u>
990-ELE1 includes 17539 Oscilloscope and qty 15 H11128	Portable Power and Control Electronics Learning System <u>Requires 17539 Oscilloscope or equivalent, 100-240V/50-60Hz/1ph electrical and PC. See amatrol.com/support for PC requirements. Recommended table 82-610 Mobile Technology Workstation or equivalent.</u>	2	\$16,650.00	\$33,300.00

Includes: (1) Portable Console; (1) Fault Insertion System and Software; (1) V Potentiometer, Variable DC and 24 VDC Power Supply; (1) DC Voltmeter, (1) DC Ammeter, (1) Pushbutton Panel; Temperature Transmitter Panel; (1) Lead Set; (1) Component Case with Digital Multimeter, Function Generator, Target Set, and Sensor Set; (1) M11128 Student Curriculum - Interactive PC-Based Multimedia; (1) C11128 Instructor's Guide; (1) K11128 Instructor's Resource Print CD; (1) D11128 Installation Guide; (15) H11128 Student Reference Guide.

17539 - Oscilloscope

Includes: (1) Bench type oscilloscope with 6" monochrome display, 50 MHz bandwidth, and signal generator.

	Subtotal:	\$126,144.00
	Freight:	\$3,963.00
	Grand Total without Optional Installation and Orientation:	\$130,107.00
	Optional Installation and Orientation:	\$3,963.00
	Grand Total with Optional Installation and Orientation:	\$134,070.00

Should you have any questions or need further assistance, please do not hesitate to contact me.

Kind Regards,

David Dold

David Dold
Regional Sales Manager

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