

CAN BUS MULTIPLEX SYSTEM TRAINER

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The ConsuLab MP-1918-1 is a CAN Bus Multiplex trainer that communicates in J-1939 protocol. Digital and analog inputs and outputs can be activated. Analog signals can be displayed using the J-1939 display. The trainer utilizes the "Moduponent®" design feature which allows unlimited expansion capabilities. This unit is equipped with an integrated electronic fault box containing 12 faults.

EDUCATIONAL ADVANTAGES

- The MP-1918-1 Trainer uses SAE J1929 communications protocol to operate a 4 module CAN Bus network, which includes both a DLC and a Deutsch Connector.
- The trainer demonstrates common multiplexing circuit controls via a high speed CAN Bus network.
- Students connect modules and components using included jumper wires.
- The MP-1918-1 can be used as a CAN Bus demonstration trainer, or, using the included comprehensive student lab manual, as a CAN Bus training course.
- Built in electronic fault box allows fault insertion into circuits for diagnostic training and student comprehension.
- CAN Bus diagnostics can be taught using a DMM and DSO to look at Bus resistance, wake up signal and high speed information packets.
- Diagnostic strategies learned on the MP-1918-1S are easily transferred to a vehicle.
- Available single sided (#053037) or double sided (#053038).
- Upgrade kit available (#053039) This upgrade kit converts a single sided trainer to a double sided.



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MAIN FEATURES

- · Included user manual with theory explanations of CAN Bus, student exercises, schematics, sample scope patterns and check tests.
- Includes four (4) modules that replicate heavy vehicle applications including (instrument cluster, input, engine and output modules). Trainer
 can also be used to instruct basics of CAN Bus automotive.
- Includes digital and analog inputs/outputs.
- Each module has test points for individual diagnosis and testing.
- J-1939 display on Moduponent panel for observation of real time circuit changes.
- Sturdy powder coated metal stand equipped with lockable storage drawers and a UL approved 120VAC/12VDC power supply (w/analog voltmeter and ammeter).
- · Jumper wire storage racks mounted to frame.
- Stand has two fixed and two lockable casters for easy trainer movement.

INCLUDED COMPONENTS

MODUPONENT MP-1918-01 MASTER PANEL (TOP):

- Electronic fault box with 12 integrated faults and connecter (keypad controlled with instructor key)
- Diagnostic test terminals
- · Instrument cluster section
- Turn signal switch
- Brake switch
- Hazard switch
- Backup switch
- Headlamp switch
- Power indicator lamp
- Circuit fuses

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- Input module section
- Engine brake mode switch
- End of line (termination resistor) #1
- Ground terminals (Black)
- Battery terminals (Red)
- CAN Bus LO terminals (Green)
- CAN Bus HI terminals (Yellow)

TECHNICAL INFORMATION

- **Dimensions**: 47 x 54 x 39 inch (119.4 x 137.2 x 99.1 cm)
- Weight: 361 lbs (163.7 kg) with packaging

MODUPONENT MP-1918-02 CAN Bus PANEL (MIDDLE):

- Engine control module section
- Accelerator pedal switch
- CAN Bus junction block
- Output module
- End of line (termination resistor) #2
- · Ground terminals (Black)
- Battery terminals (Red)
- CAN Bus LO terminals (Green)
- CAN Bus HI terminals (Yellow)
- · Fault box connecter

MODUPONENT HV-1918-03 REAR LIGHTS PANEL (BOTTOM):

- Rear clearance marker lights
- Positive terminals (Red)
- Right/turn/stop LED lights
- 7-way trailer connecter & terminals
- Black, red, green & yellow jumper wires for circuit connections
- · Backup light
- License plate light
- Left/turn/stop LED lights
- Ground terminals (Black)



REPRESENTED BY:

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