

### COMBINATION HEAVY TRUCK & CAN Bus MULTIPLEX LIGHTING SYSTEM TRAINER



The ConsuLab HV-MP-1918 trainer combines an HV-1918-1S Heavy Vehicle Lighting Systems Trainer on one side, with an MP-1918-1S Heavy Vehicle CAN Bus Multiplex Trainer on the opposite side. The trainer has two completely separate heavy vehicle lighting systems. The trainer utilizes the "Moduponent®" design feature which allows unlimited expansion capabilities. A Moduponent® consists of a clear Plexiglas sheet with components, wiring and socket test points attached. The Moduponent® is attached to the trainer frame using quick connect fasteners which allows easy removal and attachment for different configurations.

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### EDUCATIONAL ADVANTAGES:

- The MP-1918-1S Trainer uses SAE J1929 communications protocol to operate a 4 module CAN Bus network , which includes both a DLC and a Deutch Connector;
- The trainer demonstrates common CAN Bus multiplexing circuit controls via a high speed CAN Bus network;
- Students connect modules and components using included jumper wires;
- The MP-1918-1S 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 fault insertion can be placed in the trainer for diagnostic training or student evaluation;
- CAN Bus diagnostics can be thought using a DMM and DSO to look at Bus resistance, wake up signal and high speed information packets;
- The HV-1918-1S is a complete heavy vehicle lighting system with front, rear, brake, clearance, turn/hazard and backup lights with a 7 wire connector;
- Meets CSA/UL safety requirements;
- Most complete heavy vehicle lighting and accessory circuit trainer available;
- Modular LED lights (except headlights) that match on-highway truck components;
- Built to train up to four students at a time.

### CONTENTS:

- One (1) HV-1918-01 Front Lights Moduponent® (52924);
- One (1) HV-1918-02 Lighting Switch Controls Moduponent® (52925);
- Two (2) HV-1918-03 Rear Lights Moduponents® (52926);
- One (1) HV-1918-08 5-Clearance Lights Kit (52928);
- Two (2) Sets of jumper leads;
- One (1) Stand with lockable storage box (52438);
- Two (2) 12VDC Power Supplies (52439);
- One (1) MP-1918-01 Master Moduponent™;
- One (1) MP-1918-02 CAN Bus Moduponent™;

### TECHNICAL INFORMATION

**Dimensions:** 32" (80 cm) W x 56" (140 cm) L x 76" (190 cm) H

**Weight:** 325 lb (148 kg)