

**Intellitec**

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Diagnostic Test Equipment

00-00739-000 Multiplex Module Simulator

The PMC Signal Tester aids in the process of diagnosing I/O and wiring problems in the vehicle. The tester may be connected at any point around the vehicle where there is access to the 3 wire communications bus. The connection may be made while the vehicle's multiplex system is operating, without detrimental effect.

When connected, the tester is capable of displaying the status of every input and output in the system, or forcing any input or output in the system on.

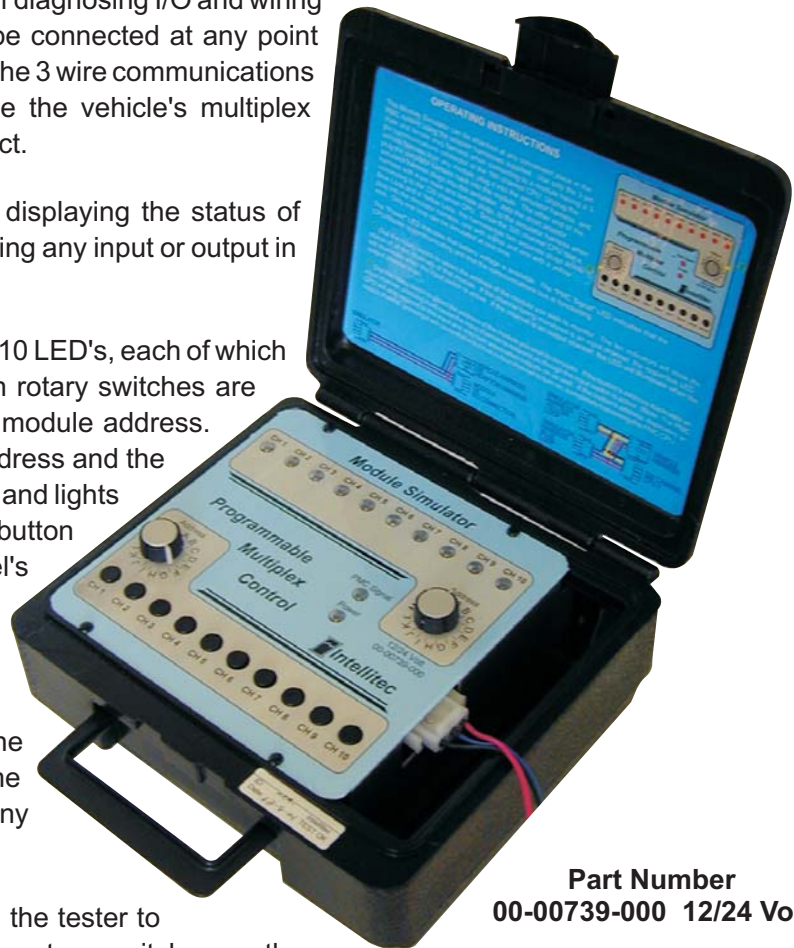
The tester has 10 push button switches and 10 LED's, each of which are related to a channel. Two, 16-position rotary switches are used to set the switches and lights to any module address. The switches can be set for one module address and the lights can be set for another, or the switches and lights may be set for the same address. If a push button on the tester is set to an output channel's address, pushing the button will cause the output to turn on. The LEDs will light to reflect the status of both inputs and outputs.

Since it is acceptable to have more than one module in the PMC system with the same address, the tester can be set to duplicate any module from A through P.

To use the tester, the technician will attach the tester to the 3 wire bus via the cable set provided. The rotary switches are then set to the address of the modules being simulated. If a channel is active (Output is on, or Input is on) the associated channel LED will illuminate. If a channel is an input channel and the associated push button is pressed, the PMC system will respond as though the actual input switch is active. If the channel is an output channel, pressing the associated button will force the system to turn the channel on regardless of the boolean written for the channel, in which case the load associated with the channel should turn on. If it doesn't, a simple test using a test light can be used to check the output and wiring from the output module to the load. This allows the tester to be used to test the functionality of every module and every input, or output in the system.

The PMC signal indicator light indicates that communication with the CPU and the tester is working. This tests the functionality of the CPU and the 3 wire communications bus.

The test set is provided in an 8.5 X 7.8 X 3.75 inch plastic box with hinged lid.



Part Number
00-00739-000 12/24 Volt



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