RAPTOR SCIENTIFIC

LSU Series

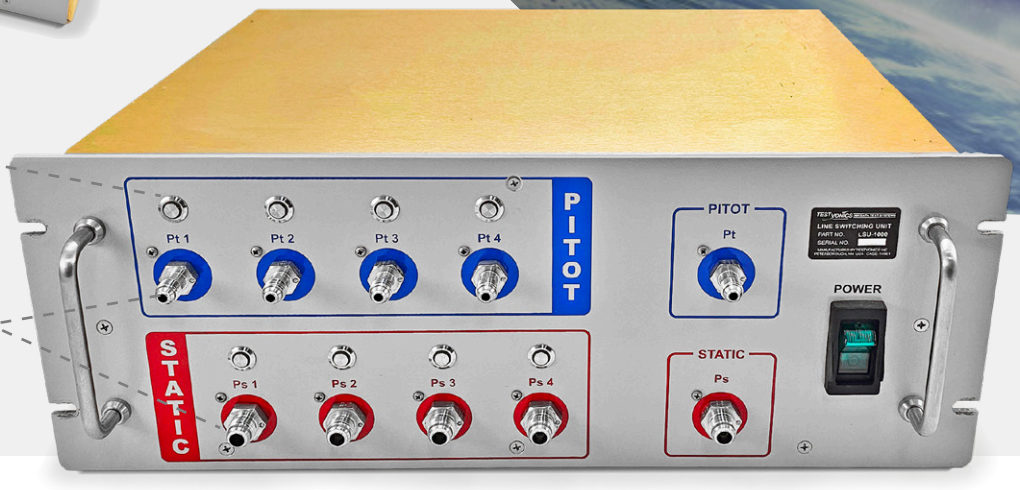
Global Provider of Test & Measurement Solutions

Part Numbers

TVCS-LSU-1000 (4 Pitot /4 Static outputs)

Remote operation

Connect a single Pitot or Static output to multiple outputs



Front panel LED switches for manual operation or automate using remote operation, outputs are electronically isolated

Up to four (4) Pitot and Static outputs with and one set of pass-through ports

LSU-1000 Rackmount Line Switching Unit

Traditional air data test systems offer only a single output with manually operated pitot and static connections. Using a single-port pitot-static tester for multiple procedures can be time-consuming.

TestVonics simplifies this process with the LSU-1000 Line Switching Unit, an automated system designed to make test procedures and functional testing faster and more convenient. The LSU-1000 is a rack-mountable, multi-port unit that distributes two channels of controlled pressure (1 Pitot and 1 Static) to eight outputs (4 Pitot / 4 Static). Each output can be controlled manually via the front panel or remotely through a standard interface.

Pitot and static supplies are distributed through output connectors on the front panel, while the controlled inputs are connected via two rear-panel inputs. The standard configuration includes four switched Pitot (Pt) and four switched Static (Ps) outputs. Additionally, pass-through ports are provided to route hoses between the front and rear panels, which is especially useful when the unit is rack-mounted.

Solenoid valves ensure reliable operation of each output. Outputs can be manually operated using the front panel switches. Each switch features an LED indicator to provide a visual indicator if the output is active. For automated testing, the unit supports remote control using a standard RS-232 SCPI communications interface. Each output can be isolated without requiring manual hose connections or disconnections.

The pitot ports use industry-standard male 37-degree AN4 (7/16”-20) threaded bulkheads, while the static ports use male 37-degree AN6 (9/16”-20) threaded bulkheads. Optional quick-release fittings can be provided.

The LSU-1000 is a 19-inch, 4U (7.0”) unit suitable for both benchtop or rack-mount installations. It is ideal for integration into Automated Test Equipment (ATE) systems when paired with an air data calibrator or pitot static test set. The unit operates from universal 85–265 VAC, 50/60 Hz power.

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