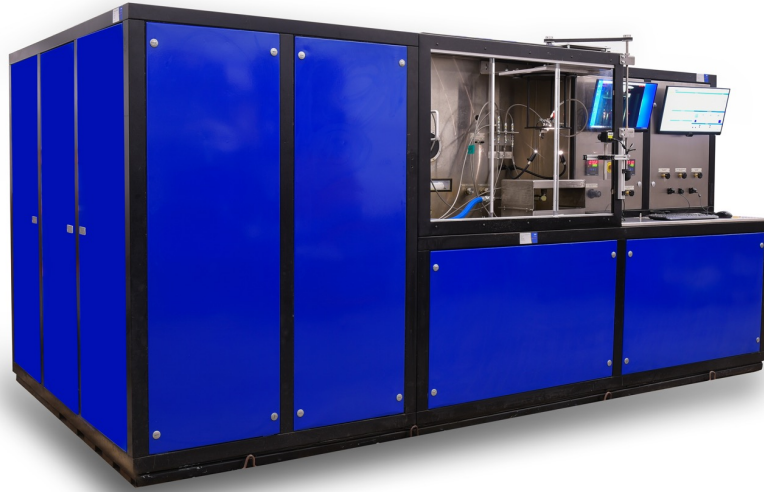




Universal Test Stand with DAS



DESCRIPTION

The **CEL Model 94113001** Universal Test Stand with **DAS** is designed to test the following parts:

- ✓ Fuel Nozzle
- ✓ Fuel Control Unit
- ✓ Fuel Pump Unit
- ✓ Flow Divider Valve
- ✓ Oil to Fuel Heater

Upon request, customized Universal Test Stands can be supplied by CEL, based on Customer's specific requirements.

TESTING FEATURES

Two (2) major type of tests can be made with the Universal Test Stand :

- ✓ Leak (Proof) testing to locate leaks in the casing of the test piece or between the two (2) sides of the Oil to Fuel Heater. Such testing is normally done in a static mode (i.e. zero flow). A user controllable pressure is applied to the test piece with either Fuel or Air serving as medium.
- ✓ Performance Tests; are more elaborate and measure many or all the following test piece characteristics:
 - Pressure drop through test piece, Oil and Fuel sides. This test measures the differences between the inlet and outlet pressures of the test piece.
 - Flow through test piece, Oil and Fuel sides. This test measures the actual flow going through the test piece at a given inlet pressure.
 - Thermal transfer through test piece, Oil and Fuel sides. This type of test measures the thermal efficiency of the Oil to Fuel Heater.
 - Mechanical components function (eg Relief or by-pass valve opening and closing), This testing is done when a test piece has an internal component that activates under a specific condition, such as a by-pass valve, etc.



Universal Test Stand with DAS



DATA ACQUISITION SYSTEM (DAS) FEATURES

The Data Acquisition System provides Human Machine Interface (HMI) to display the measured or computed parameters of the unit under test with different colors according to expected or critical values for each step of the selected test manual. Reports can then be generated from the recorded points.

The software also allows to create or modify existing part numbers, test manuals, expected values, limits, reports template and HMI layouts.

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