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Regulator Tracer test system

The aerospace industry is a highly specialized field, requiring strict testing to ensure that all components and systems meet the highest standards of safety and performance. Our solution offers a cutting-edge technology to ensure the most precision and reliability in testing and tracing processes. From the level of component testing to quality assurance, our system provides a comprehensive package of features tailored to meet the unique demands of the aerospace industry.



Regulator Tracer Tester System for Pressure Monitoring and Reporting with Compatible hardware sensors and devices to provide a real-time monitoring of pressure levels and generate comprehensive reports for analysis and decision. We provide a complete setup that includes :

- Pressure sensing
- Application software
- Test system hardware



The system is capable of testing nearly any pressure level. Typically, we supply it with a range of 0-1000 PSI, but this range can be extended according to the sensor's capabilities.

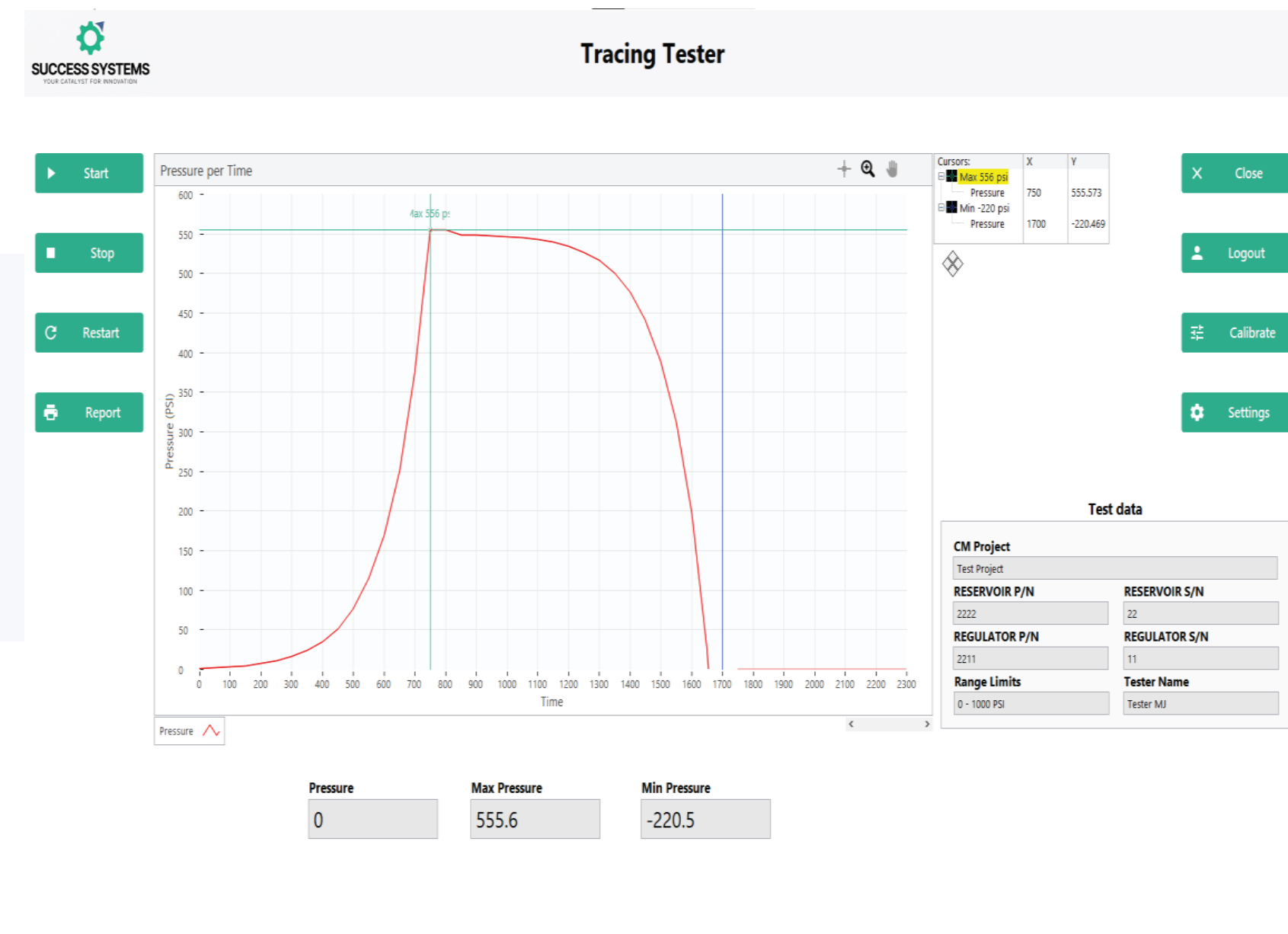


INTERPRETATION OF OUTLET PRESSURE TRACE

The standard method of interpreting the outlet pressure trace is as follows:

- 1 If the pressure trace evidences an upslope condition after the initial spike, then the peak pressure is defined as the average value at the apex of the upslope.
- 2 If the pressure trace evidences a relative flat condition after the initial spike, then the peak pressure is defined as the average value at an arbitrarily selected point along the flat portion of the trace.

The system software delivers a comprehensive report for each test, featuring graphs of test data and Device Under Test (DUT) data and information, along with the maximum and minimum pressure values. The sampling rate for the test system is up to 1000 S/s and can be adjusted through the software.





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