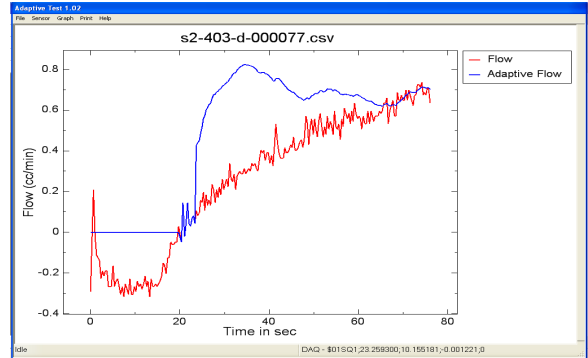


Accessories—Adaptive Test™

Adaptive Test & Set Up Tools

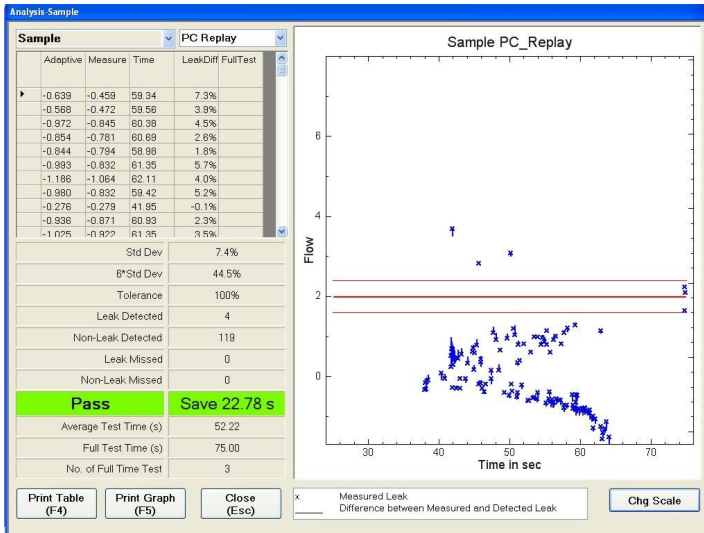
Software Applications

ATC's patented Adaptive Test™ and Set Up Tools™ enables the IGLS™ inside of the leak test instrument to learn parts signature and dynamically accepts or rejects the unit under test (UUT) based on statistical consideration. This feature reduces average cycle time by 25-40%.



Signature Plot Partial or Full Screen

Features



Adaptive Test™ performs the conventional leak test using one of our leak test instruments. Our leak test instruments make a direct measurement of the leak flow, not a derivative measurement as in pressure decay or helium mass spectrometry. This direct measurement allows detection of leaking parts with the ability to stop the test early for a UUT with a large leak rate.

Our leak test instruments adapt by learning the behavior of a group of parts, using statistical data to accept or reject a part in real time. By anticipating the part's behavior, the leak tester can determine the pass or fail status of the part before the test is completed or continues with the test if the part is marginal. This feature significantly reduces the average cycle time, allowing throughput to be significantly increased.

An RS232 connection is used for communication using a USB to RS232 cable. LeakTek™ has an optional RJ45 for Ethernet interface. Minimum PC requirement is Windows® XP Professional or later.

Note: The Adaptive Test™ should only be performed by trained users or ATC's application engineers. The benefits of Adaptive Test Feature are application dependent.