Profiler Advantages

What sets Profiler apart from other test systems or Digital Positioners is not only can it test all analog valves regardless of the manufacturer but tests Fieldbus, HART, Profibus, Solenoid ON/OFF valves and Seat Leak all in **ONE** small, light weight, easy to use package.

Profiler is used worldwide and within all industries and it has also been selected as the preferred test system for 3 of the top 5 largest valve manufactures in the world.

Calibration certifications are also provided for quality programs for traceability for the calibrating of the Digital Positioners Sensors (pressure and position). As defined by NIST, "Traceability of measurement requires the establishment of an unbroken chain of comparisons to stated references each with a stated uncertainty."

When Profiler was first being developed it was important to cover all aspects of testing:

1. Accuracy - 16 bit or 65,535 counts (High resolution) for Position sensing and .1% pressure sensors with optional .04%.
2. Size and weight -2 computer options - Panasonic 33 (4 lbs) or Panasonic 20 (2 lbs). Using the smaller computer, the total weight of Profiler “Mini” can be as little as 15 lbs and fit in a small backpack. Making it easier for one traveling to and from oil platforms via helicopters or doing survey’s and commissioning.
3. Cost – even with all that comes with Profiler it is very inexpensive because of the capabilities of diagnosing problems and provide they customer with the quality and performance for their process. Also Profiler will increase work load, profitability and market share.
4. Easy to learn – the software and hardware has been designed for those with little or no computer experience. We believe that the simpler it is, the better; and the screens are to a minimum, having only what is necessary to do valve testing.
5. Special Testing and setup for all manufactures valves – Surge Control, Hydro, Seat leak, Frequency Response, Positioner and Booster tuning are all available. Profiler can be programmed for special customer requirements or testing.
6. Protocols – this **ONE** system can test analog (mA), HART, Fieldbus, Solenoid ON/OFF valves (AC or DC) and Seat Leak testing. No other ONE system has this capability
7. Rugged – because of the hardware, sensors, computer(s) and overall design, Profiler systems have been and are still in use after 19 years. Making them an excellent long-term investment.
8. Battery life – because Profiler was design using low power sensors and electronics the whole system uses less than 1 watt of power to power all sensors and all positioners including 10-50 mA as well as all digitals. This extends the battery life for field service use to 10 hours. Batteries are small and lightweight, more can be added as an option for many to extend hours of work time.
9. Database and Printing - this software package, entitled ProView, is part of Profiler and can also be installed on any computer, it allows viewing, printing and creating a database for all tests done. The software package is included FREE of charge; other test manufacturers charge significant amounts for similar packages.
10. Training - SofTek Engineering training is designed for those with no experience with valves or testing. For those with no experience with valves or testing, the required amount is 4 -day training. We also have a 2 - day training for those who have experience with valves, testing or both.