

Isaac i-kit

Multi-Function Leak Tester



Flexibility and simplicity

Zaxis' instruments are built to meet an ever-changing manufacturing environment. The products that Zaxis has conceived in the past 20 years, first as IDS of Salt Lake City, Utah and today as Zaxis Inc, Salt Lake City, are still in use today throughout the world.

Simply powerful

The Isaac i-kit multi-tester is the newest product from Zaxis, designed to meet today's quality assurance demands.

The compact size of the Isaac i-kit enables it to be utilized in close proximity to test

fixtures. By reducing the test connection volume the test sensitivity increases and test times can be decreased. Additionally the internal volume of the Isaac i-kit is less than 1 cubic centimeter. The small internal volume combined with integrated sensors and a 24-bit analog to digital converter allow Zaxis to offer a leak tester with the highest sensitivity on the market. The Isaac is available for pressure and vacuum decay applications. The Isaac i-kit is configured for one channel. For multiple channel applications multiple i-kits can be cascaded for truly asynchronous operation.

Isaac i-kit Specifications

| | |
|--------------------------|---|
| Dimensions:..... | 3W"x6H" x6D" |
| Precision..... | 0.01%. |
| Pressure Range..... | 0-15, 0-100 & 0-500 PSIG Other ranges available upon request |
| Media Compatibility..... | Clean, dry, non-corrosive gasses compatible with Aluminum and 316 stainless steel. |
| Power | 24 VDC 15 watts |
| Display | Optional 4" backlit graphical LCD Touch screen |
| Engineering Units..... | PSI, inches of H2o, kPa, mbar, mmHg, etc |
| Test types..... | Standard: Pressure decay, occlusion Optional: Vacuum decay, occlusion |
| Stored Programs..... | 100 |
| Interface..... | RS232, BCD, TCP/IP (Ethernet) |
| Auxiliary Outputs..... | 24Vdc PLC interface |
| Time..... | 0.1-999.9 seconds |
| Resolution..... | Pressure or vacuum: .00001 PSI |
| Storage..... | -20 to 70°C |
| Test port fitting..... | 1/8 NPT female bulkhead |
| Controls..... | Optional graphical touch screen, 22.5 mm NEMA 13 Lighted pushbuttons and indicators |



Isaac i-kit shown with optional touch screen interface.