



Your Global Leak
and Function Test
Solution Experts

Sentinel I28[®]

LEAK AND FLOW TEST INSTRUMENTS



Sentinel I28 is manufacturing's most versatile and robust pressure decay and mass flow testing instrument

The Sentinel I28 is a high-precision industrialized instrument supplying durability and high test repeatability in a proven, standard platform. It is configured to meet the requirements of your test: choose from a vast array of test types and options for pressure, flow, or vacuum testing, along with many other customizations. The I28 can be integrated with a PLC or operate on its own with individual and linked tests in a user-programmed sequence. Combined with its ability to control up to 5 tooling motions, one instrument can control the operations of a test stand and replace a PLC for a cost-effective approach to testing.

Test Types

The Sentinel I28 offers the full range of test types available in the Sentinel family. Each test type can be linked together and performed by a single instrument!

- Pressure & Vacuum Decay Leak
- Differential Pressure & Vacuum Decay Leak
- Occlusion (Blockage)
- Mass Flow
- Volume Verification
- Part Pressure Verification
- Proof
- Burst
- Check Valve Cracking Pressure

For detailed specifications, see the Sentinel I28 datasheet.



Sentinel I28 leak and flow test instrument



Custom independent CTS 4-station I28 turnkey test system

Manage your Sentinel I28 from your PC with free CTSnet LT software

Monitor, control, and configure instruments, copy test programs, view waveforms and export reports, all from your PC!



Durability, dependability, and repeatability — everything you need in a leak test instrument

The unbeatable performance and repeatable functionality of the I28 make it a top choice for leak testing in manufacturing environments for a full range of applications.

Designed to deliver accurate, reliable, repeatable measurement

- Unrivaled measurement accuracy of 0.05% full-scale pressure and 0.5% full-scale mass flow.
- Absolute pressure transducers are sealed (liquid-tight), which negates the possibility of barometric pressure fluctuations affecting test results.
- Target pressure correction compensates for inherent test pressure fluctuations and significantly improves measurement repeatability and reproducibility.
- Ambient pressure correction compensates for changes in part volume due to ambient pressure fluctuations.

Flexible and customizable to adapt to the needs of your production line

- Modular design allows massive flexibility as many needs are different, each instrument build can be specific to the application with commonality between instruments.

- Extensive list of test types are available and the ability to have more than one type in a single instrument lets you get the most value from the system.
- Highly customizable to your test requirements: high pressure, low volume, high-flow/low pressure, large part with ambient pressure correction, controlled flow and many more.

Multiple ways to export test data for process intelligence

- Telnet communication is included to transmit test data to a PC on your network.
- Use RS232 Serial communication to scan bar code data, connect it with test data and supply it to a nearby PC or PLC.
- For applications where you need to both command the instrument from a PC or PLC and collect test result data, the I28 includes both EtherNet/IP and PROFINET, as well as Telnet and Serial communications.

- Export test results to a USB for easy collection directly from the instrument front panel.

Easy to set up

- The patented Auto-Setup reduces process development effort.
- Remote test and instrument management from your computer with CTSnet LT software, included at no cost.
- The ability to control tooling motions can eliminate the need for PLC programming simplifies the full test set up.
- 24/7/365 no-charge phone support, regardless of whether your instrument is under warranty.

The I28 can control test system tooling functions which reduces programming complexity and overall cost of your leak test. Learn more about the many features of the I28 on the **product datasheet**, or **contact us** to talk to one of our leak test experts about your test requirements.

Our Family of Test Instruments and Products



Blackbelt Pro



Sentinel 3520



sigPOD Controller



MH



I28



C28



LPC 528



C20



TracerMate II



CTS Connect® Connectors and Seals



CTS Leak Standards & Calibration Services



Your Global Leak and Function Test Solution Experts



BETTER TOGETHER

CTS and innomatec are subsidiaries of the TASI Group, within TASI's Product Integrity Division. We are unified by the fact that we are "Better Together". Together, we deliver the broadest leak test portfolio in the industry. Together, we serve our customers through a global network of offices and partners. Together, we will harness the power of the Industrial Internet of Things and bring all of its potential to industrial companies worldwide.

INDUSTRIES WE SPECIALIZE IN



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