Sentinel I28®

LEAK AND FLOW TEST INSTRUMENT
Sentinel I28 Leak Test Instruments

The Sentinel I28® is Cincinnati Test Systems’ most versatile and technically advanced multi-functional leak and flow test instrument and is now offered in three models:

- **Pressure Decay**
- **Mass Flow**
- **Differential Pressure Decay**

### Standard I28 Test Types by Model

**Pressure Decay Model**
- Pressure or vacuum decay - leak std
- Pressure or vacuum decay - ∆P
- Pressure or vacuum decay - ∆P/ ∆T
- Occlusion - pressure or vacuum
- Ramp to proof - pressure
- Volumetric fill

**Mass Flow Model**
- Mass flow
- Mass flow - leak std

**Differential Pressure Model**
- Differential pressure decay - ∆P
- Differential pressure decay - leak std
- Differential pressure decay - leak rate
  - Fixed Charge Fill for sealed device testing

### Instrument Highlights

**Superior Performance**
- Leak rate measurement resolution:
  - PD / Mass flow: 0.0005 scc/min
  - DP: 0.00005 scc/min
- Powerful 32-bit processor
- 24 bit A/D converter
- Optimized pneumatic manifolds
- Flow meter sized to the application
- Environmental drift correction

**Global Friendly**
- Language neutral operator interface
- Multi-language - software selectable
  - English, Spanish, Portuguese, Chinese, Korean and German
- Smart voltage selection
- International power cable included

**Low Maintenance**
- Reduced wear – long life valves and manifolds
- Self-Test function
- Modular design for easy maintenance
- 40 million cycle valve manifolds

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QualityWorX CTS DataHub

**Analyze Your Sentinel I28 Leak Test Data in Real-time**

- Turnkey solution that collects and analyzes test data from Sentinel instruments
- Easy setup, begin analyzing your test result data in minutes of startup
- Create visual real-time process signatures with your data
- Includes a host PC and installed Sciemetric Studio analytics software
Sentinel I28 Features

Test Range Options by Model
- Pressure: -14.5 to 500 psig
- Flow: 0.5 to 3000 scc/min
- Differential pressure: -14.5 to 200 psig
- Custom factory instrument designs

Data / Communications
- Data storage to 30,000 events, expandable with USB memory stick
- 99 test program storage
- 12 inputs/12 outputs with 5 programmable tooling motions
- Digital input feedback verifies motion
- Flow and leak auto calibration
- RS232 and Ethernet communication ports
- EtherNet/IP™ communication
- QualityWorX CTS DataHub communication
- Barcode unique part identification
- Email of reports, test data, and alerts
- Test result data transmission with definable fields

Product Enhancements
- Patented Auto Setup
- Quik Test reduces cycle time
- High contrast color display
- XY Graphing (pressure, pressure loss or flow)
- Enhanced differential pressure manifold design
- Low volume and high volume manifold designs
- Multi-point calibration on electronic regulators
- Choice of internal or external leak standards

Our Family of Test Instruments and Products

Visit our website: cincinnati-test.com
LEAK TEST SOLUTIONS AND SOFTWARE FOR IN-PROCESS DATA ANALYSIS

CTS, CTS-Schreiner and Sciemetric are subsidiaries of the TASI Group. In November 2017, the three companies came together 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

AUTOMOTIVE | POWERTRAIN | CONSUMER GOODS | MEDICAL | ENERGY | HVAC | OTHER TRANSPORTATION

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