



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 - ΔP
- Pressure or vacuum decay - $\Delta P / \Delta T$
- 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 - ΔP
- 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

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 Sciometric 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



Sentinel I28 leak and flow test instrument



Custom independent CTS 4-station I28 turnkey test system

EtherNet/IP[™]
ODVA

Our Family of Test Instruments and Products



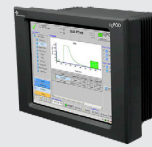
Blackbelt Pro



C28



3520



sigPOD Controller



Blackbelt



C20



LPC 528



C20



TracerMate CS



CTS Connect®
Connectors and Seals



CTS Leak Standards and
Calibration Services

Visit our website: cincinnati-test.com



LEAK TEST SOLUTIONS AND SOFTWARE FOR IN-PROCESS DATA ANALYSIS

CTS, CTS-Schreiner and Sciometric 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



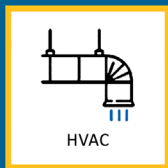
CONSUMER GOODS



MEDICAL



ENERGY



HVAC



OTHER TRANSPORTATION



Cincinnati Test Systems Inc.
10100 Progress Way
Harrison, OH 45030
513.367.6699
www.cincinnati-test.com

Cincinnati Test Systems-Schreiner GmbH
Rudolf-Diesel Strasse 17-19
85521 Ottobrunn, Germany
+49 (0) 89 608093-0
www.schreiner-testing.com

Sciometric Instruments Inc.
359 Terry Fox Drive, Suite 100
Ottawa, Ontario K2K 2E7
1.877.931.9200
www.sciometric.com



I28 is a registered trademark of Cincinnati Test Systems Inc.
©2019 Cincinnati Test Systems Inc.
Printed in U.S.A. Rev. 2