



Sentinel I28

Precision Leak
And Flow Test
Instrument



Providing world-class leak test and assembly verification solutions to industries around the globe.

Sentinel I28

The World's Most Advanced Multi-Functional Leak Test Instrument

The Sentinel I28 is the world's most advanced multi-functional test instrument on the market. The I28 features a standard manifold design tested with over 40,000,000 cycles. CTS pairs this manifold with a new high performance transducer that reduces test cycle and improves accuracy and repeatability.

CTS has over 30 years' experience innovating technology and creating state of the art instruments for the most demanding test applications in any manufacturing environment.

Why is everyone using the I28?

Multi-technology • Superior performance • Less complex • Global friendly • Low maintenance • Compact



Multi language

Multi-Technology

- Configurable linking solutions
- Test linking
- Pressure
- Vacuum
- Mass flow
- Tooling control

Global Friendly

- Multi-language – software selectable
- Language neutral operator interface
- Smart voltage selection
- International power cable included
- Color graphs



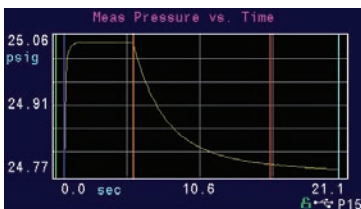
New external connectivity

Superior Performance

- Transducer resolution 0.0004% of full scale
- Powerful 32-bit processor
- 24 bit A/D converter
- Optimized pneumatic manifolds
- Mass flow sized to the application
- Environmental drift control

Low Maintenance

- Reduced wear – long life valves/manifolds
- Easy maintenance
- Internal leak standards – pressure decay
- External I/O indicator status lights
- Pre-wired external connectivity



High resolution graphic display

Less Complex

- Patented "auto setup" easy programming
- Quik test - reduced test time
- Auto calibration

Smaller – More Compact Design

- 12 W x 9.25 H x 8.75 D
- Modular pneumatic and control packages



Send text message via email alerts

Advanced Communication

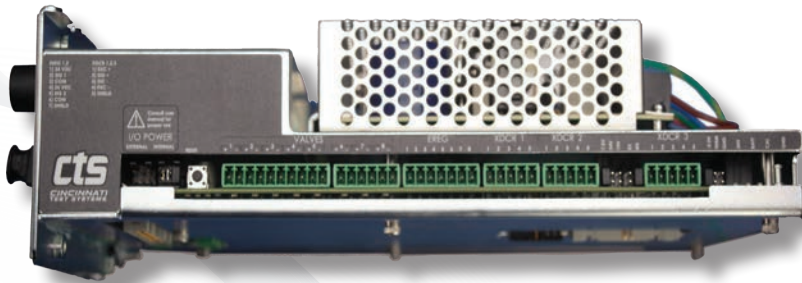
- Ethernet
- Email
- Mobile text
- RS232
- Barcode
- USB mass storage device

Standard Technologies

- Pressure decay
- Vacuum decay
- Burst test
- Ramp to event
- Rate of change
- Pressure drop
- Proof test
- Mass flow
- Volumetric
- Differential pressure decay
- Occlusion



Sentinel I28 Multi-functional leak test instrument



Modular control unit

Advanced Features

- Data storage to 40,000 events, expandable with USB memory stick
- 12 inputs/12 outputs with up to five programmable tooling motions
- Digital input feedback verifies motion
- 0.05% Pressure measurement accuracy (supplied with calibration certificate)
- Program linking

Product Enhancements

- High contrast 24 bit color TFT display
- XY Graphing (pressure, loss, or flow)
- Illuminated test status bars
- Enhanced mass flow performance
- Flow ranges from 0-15 sL/min @100 psig
- Low flow manifold (0.7 cc manifold volume)
- Multi-point calibration on electronic regulators

Eliminate stack lighting



ACCEPT



REJECT



IN TEST

Other Sentinel Products



C20 WE



C28 DP



C28 WE



BlackBelt



INDUSTRY LEADER IN PRODUCTION TEST EQUIPMENT

GLOBAL SUPPORT NETWORK

Free 24/7 phone support

Validations + applications lab

On site service

Training

Full team of application specialists

Worldwide sales + service



WORLD CLASS TESTING SOLUTIONS

Standard Products • Custom Design • Integration
Test • Measurement • Calibration • Gas Recovery



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