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

Providing world-class leak test and assembly verification solutions to industries around the globe.
Sentinel C28
Precision Leak Test Instruments

For over 30+ years Cincinnati Test Systems has lead the market in the integration of advanced technology and innovative features in standard leak test instrumentation. The multiple technologies and performance offered in our family of Sentinel instruments stand unmatched worldwide over a diversity of production environments.

Our latest addition offers the compact C28 instrument with Absolute or Differential Pressure (DP) technology. Designed with a 32 bit processor and 24 bit A/D technology, the C28 series of instruments have become known for accuracy, speed, and repeatability.

Advanced features of the C28

Available Technologies • Superior performance • Less complex • Global friendly • Low maintenance • Compact

Globally User Friendly
• Language neutral interface
• Automatic voltage selection
• 32 Available part programs
• Menu selectable language including Spanish, Chinese, and Korean

Superior Performance
• 32-bit processor
• 24-bit A/D converter
• High-resolution test results
• Pressure resolution to 0.004%
• Automatic environmental drift compensation
• Menu selectable language including Spanish, Chinese, and Korean

Low Maintenance
• Long life pneumatic valves
• Internal leak standards
• Self Test Feature

Less Complex
• Auto calibration
• User friendly menus
• Auto Setup – Pressure Decay
• Prewired I/O cables
• Selectable digital inputs/outputs

Smaller - Compact Design
• Space saving enclosure
• 162mm x 213mm x 176mm
• Panel Mount
• Fully integrated electronics and pneumatics

Standard Integral 6 Input / 3 Output Digital Interface.
• These inputs and outputs are independently programmable within each individual part program.

C28 WE Pressure Decay Features

• Auto Calibration
• Internally mounted NIST leak standard
• Part and test volume automatically accounted for by the instrument during calibration
• Converts pressure loss to volumetric leak rate
• Test Circuit Features
• DP circuit is monitored by an Absolute transducer on a separate 24-bit analog to digital circuit to protect against leaking valves, preventing potential passing of bad parts.
• DP sensor is designed utilizing a silicone based strain gage to reduce inherent drift and accuracy issues found with capacitive DP sensors

C28 DP (Differential Pressure) Features

• Auto Calibration
• Internally mounted NIST leak standard
• Part and test volume automatically accounted for by the instrument during calibration
• Converts pressure loss to volumetric leak rate
• Test Circuit Features
• DP circuit is monitored by an Absolute transducer on a separate 24-bit analog to digital circuit to protect against leaking valves, preventing potential passing of bad parts.
• DP sensor is designed utilizing a silicone based strain gage to reduce inherent drift and accuracy issues found with capacitive DP sensors

Auto Calibration characterizes the adiabatic effects and geometric dynamics of the master part along with a NIST traceable leak standard to assure accuracy from zero to the specified leak limit.

Advanced Features
• Data storage for 12,000 test results
• 6 inputs/3 outputs
• Self Test
• Internal NIST leak standard
• Pressure measurement to 0.4% accuracy

Other Sentinel Products

C20 WE  I28  BlackBelt

Available Technologies • Superior performance • Less complex • Global friendly • Low maintenance • Compact

Sentinel C28
Precision Leak Test Instruments

For over 30+ years Cincinnati Test Systems has lead the market in the integration of advanced technology and innovative features in standard leak test instrumentation. The multiple technologies and performance offered in our family of Sentinel instruments stand unmatched worldwide over a diversity of production environments.

Our latest addition offers the compact C28 instrument with Absolute or Differential Pressure (DP) technology. Designed with a 32 bit processor and 24 bit A/D technology, the C28 series of instruments have become known for accuracy, speed, and repeatability.

Advanced features of the C28

Available Technologies • Superior performance • Less complex • Global friendly • Low maintenance • Compact

Globally User Friendly
• Language neutral interface
• Automatic voltage selection
• 32 Available part programs
• Menu selectable language including Spanish, Chinese, and Korean

Superior Performance
• 32-bit processor
• 24-bit A/D converter
• High-resolution test results
• Pressure resolution to 0.004%
• Automatic environmental drift compensation
• Menu selectable language including Spanish, Chinese, and Korean

Low Maintenance
• Long life pneumatic valves
• Internal leak standards
• Self Test Feature

Less Complex
• Auto calibration
• User friendly menus
• Auto Setup – Pressure Decay
• Prewired I/O cables
• Selectable digital inputs/outputs

Smaller - Compact Design
• Space saving enclosure
• 162mm x 213mm x 176mm
• Panel Mount
• Fully integrated electronics and pneumatics

Standard Integral 6 Input / 3 Output Digital Interface.
• These inputs and outputs are independently programmable within each individual part program.

C28 WE Pressure Decay Features

• Auto Calibration
• Internally mounted NIST leak standard
• Part and test volume automatically accounted for by the instrument during calibration
• Converts pressure loss to volumetric leak rate
• Test Circuit Features
• DP circuit is monitored by an Absolute transducer on a separate 24-bit analog to digital circuit to protect against leaking valves, preventing potential passing of bad parts.
• DP sensor is designed utilizing a silicone based strain gage to reduce inherent drift and accuracy issues found with capacitive DP sensors

C28 DP (Differential Pressure) Features

• Auto Calibration
• Internally mounted NIST leak standard
• Part and test volume automatically accounted for by the instrument during calibration
• Converts pressure loss to volumetric leak rate
• Test Circuit Features
• DP circuit is monitored by an Absolute transducer on a separate 24-bit analog to digital circuit to protect against leaking valves, preventing potential passing of bad parts.
• DP sensor is designed utilizing a silicone based strain gage to reduce inherent drift and accuracy issues found with capacitive DP sensors

Auto Calibration characterizes the adiabatic effects and geometric dynamics of the master part along with a NIST traceable leak standard to assure accuracy from zero to the specified leak limit.

Advanced Features
• Data storage for 12,000 test results
• 6 inputs/3 outputs
• Self Test
• Internal NIST leak standard
• Pressure measurement to 0.4% accuracy

Other Sentinel Products

C20 WE  I28  BlackBelt

www.cincinnati-test.com
Sentinel C28
Precision Leak Test Instruments

For over 30+ years Cincinnati Test Systems has lead the market in the integration of advanced technology and innovative features in standard leak test instrumentation. The multiple technologies and performance offered in our family of Sentinel instruments stand unmatched worldwide over a diversity of production environments.

Our latest addition offers the compact C28 instrument with Absolute or Differential Pressure (DP) technology. Designed with a 32 bit processor and 24 bit A/D technology, the C28 series of instruments have become known for accuracy, speed, and repeatability.

Advanced features of the C28

Available Technologies • Superior performance • Less complex • Global friendly • Low maintenance • Compact

Globally User Friendly
• Language neutral interface
• Automatic voltage selection
• 32 Available part programs
• Menu selectable language including Spanish, Chinese, and Korean

Superior Performance
• 32-bit processor
• 24-bit A/D converter
• High-resolution test results
• Pressure resolution to 0.004%
• Automatic environmental drift compensation
• Advanced Communication – RS232 or Telnet

Low Maintenance
• Long life pneumatic valves
• Internal leak standards
• Self Test Feature

Less Complex
• Auto calibration
• User friendly menus
• Auto Setup – Pressure Decay
• Prewired I/O cables
• Selectable digital inputs/outputs

Smaller - Compact Design
• Space saving enclosure 162mm x 213mm x 176mm
• Panel Mount
• Fully integrated electronics and pneumatics

Available Technologies
• Pressure or vacuum decay
• Pressure rate of change
• Occlusion (blockage)
• Differential Pressure

Data storage for 12,000 test results
6 inputs/3 outputs
Self Test
Internal NIST leak standard
Pressure measurement to 0.4% accuracy

Sentinel C28
Precision Leak Test Instruments

C28 DP (Differential Pressure) Features

• Auto Calibration
  • Internally mounted NIST leak standard
  • Part and test volume automatically accounted for by the instrument during calibration
  • Converts pressure loss to volumetric leak rate

• Test Circuit Features
  • DP circuit is monitored by an Absolute transducer on a separate 24-bit analog to digital circuit to protect against leaking valves, preventing potential passing of bad parts.
  • DP sensor is designed utilizing a silicone based strain gage to reduce inherent drift and accuracy issues found with capacitive DP sensors

C28 WE Pressure Decay Features

• Auto Calibration
  • Internally mounted NIST leak standard
  • Part and test volume automatically accounted for by the instrument during calibration
  • Converts pressure loss to volumetric leak rate
  • Standard absolute transducer
  • Eliminates noise from barometric pressure changes
  • All references from absolute zero

Advanced Features
• Data storage for 12,000 test results
• 6 inputs/3 outputs
• Self Test
• Internal NIST leak standard
• Pressure measurement to 0.4% accuracy

Other Sentinel Products

C20 WE
I28
BlackBelt

www.cincinnati-test.com
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

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