



Sentinel C20

Precision Leak
Test Instruments



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

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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.

The compact Sentinel C20WE (World Edition) Instrument is the industries most cost effective pressure decay leak test instrument. Designed with the same 32 bit processor and 24 bit A/D technology as the other Sentinel line of instruments known for accuracy, speed, and repeatability.

Advanced features of the C20

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

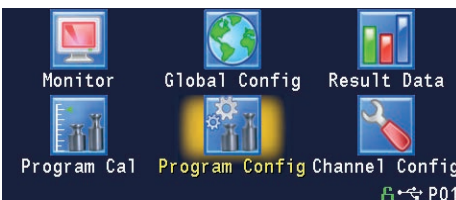


Globally User Friendly

- Language neutral interface
- Automatic voltage selection
- 4 Available part programs
- Menu selectable language including English, Spanish, Chinese, and Korean

Available Technologies

- Pressure or vacuum decay
- Pressure rate of change
- Occlusion (blockage)

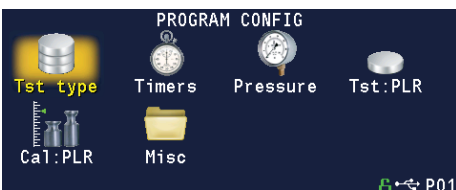


Superior Performance

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

Low Maintenance

- Long life pneumatic valves
- Internal leak standards
- Self Test Feature



Less Complex

- Auto calibration
- User friendly menus
- Prewired I/O cables
- Digital inputs/outputs

Smaller - Compact Design

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



C20 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

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 up to 12,000 test results
- Self Test
- Internal NIST leak standard
- Pressure measurement to 0.4% accuracy

Integral Input/Output Digital Interface

- 1 selectable input and 1 selectable output
- 5 fixed inputs and 2 fixed outputs
- Easily integrated with any PC or PLC



Other Sentinel Products



C28WE



C28DP



I28



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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