



# TracerMate CS

## Innovative Technology for Today's Production Environment

The TracerMate CS is a precision benchtop or wall mount charge instrument designed for maximum performance and minimal space requirements. TracerMate CS instrument utilizes advanced algorithms derived from over 30 years of proven tracer gas handling experience to produce the fastest and most accurate results.

CTS produces a full range of Tracer Gas Handling Products ranging from standard to custom solutions based on your test requirements. The TracerMate is designed to interface with most gas detection devices in automatic or manual modes.

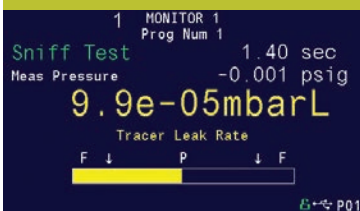
## Advanced Features



Multi Language



Vivid, full color high resolution display



Simple intuitive operator interface

### Multiple-Port Sequential Testing

Single, dual and triple test ports available  
Allows setup for either single part with multiple chambers or multiple unique parts

### Sniffer Calibration Port

Permits easy calibration of leak detection device

### Tracer Gas Mixing Options

100 % Tracer Gas  
75% Tracer / 25% N2 or Shop Air  
50% Tracer / 50% N2 or Shop Air  
25% Tracer / 75% N2 or Shop Air  
Custom Mix %

### Easy Setup and Programming

Up to 99 unique test programs (linkable)

### Wide Range of Test Pressures

Vacuum to 1000 PSI  
Custom pressures available

### Manual or Electronic Pressure Regulation

High precision pressure control

### Powerful 32-bit Processor & 24-Bit A/D Converter

Exceptionally fast, high resolution test processing  
Resolution to 0.00001% of transducer full scale

### Absolute Pressure Transducer

Unlike gauge transducers, environmental conditions do not impact test results

### Built-In Inputs/Outputs and Tooling Control

6 user - configurable digital inputs  
6 user - configurable digital outputs  
Tooling control for up to 5 motions with feedback

### Self - Test Functions

Internal leak detection process

### Data Storage

Last 5,000 tests stored in on-board memory, expandable through USB port  
SPC data tracking for part traceability  
Instrument backup/restore and cloning capability

### Compact design

Bench Top - 11.25" high x 9" wide x 15" deep  
Modular manifold - mounted valves and transducer(s)  
Wall Mount - 16" high x 14" wide x 8" deep

### System Requirements

120 Volts  
20 Amps  
60-80 PSI plus clean dry shop air  
Tracer Gas supply (100% Pure)

## Helium Reclaim Gas Recovery System

The CTS TracerMate ReClaim (TMRC) line of systems come in six standard models up to 300 psig. We also offer custom solutions for special applications. Every TMRC unit is designed to deliver the precise amount of gas each and every time. **The efficiency of the TMRC systems will assure optimized savings in helium or other gas reclaim, making our systems the right choice.**





TracerMate CS Charging System

## Advanced Communication

- Pre-programmed to interface with most gas detection devices/instruments
- Ethernet
- Email
- USB
- RS232
- Barcode

## Standard Test Configurations

- Single or Multi Step Proof/UL Test
- Pressure/ Decay -  $\Delta P$
- Part Evacuation with Vacuum Decay -  $\Delta P/\Delta T$
- Gross Leak Fill - with Pressure Decay -  $\Delta P/\Delta T$
- Fine Leak Fill - with Pressure Decay -  $\Delta P/\Delta T$
- Tracer Gas Reclaim - Vent
- Capillary Test
- Water Test
- Part Post Evacuation
- N2 Back Fill or Part Clean Cycle
- High Vacuum Pump Out



## Display Options

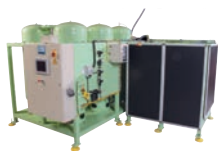
- Large Full - Color LCD Display with Graphing Capability
- User - friendly icon - based menus
- Prominent Light - ring indicator provides operator clear feedback of test results



## Advanced Test Configurations

- Tracer Gas Accumulation Mode
- Hard Vacuum - No Chamber Valve Control
- Hard Vacuum - Chamber Valve Control
- Sniffer Single Test Point
- Sniffer Test with Multiple Test Points
- Sniffer Clam Shell Mode
  - Available with Multiple Test Points
- Part Evacuation with Monitored Refrigerant Fill

## Other TracerMate Products



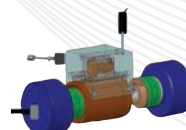
Helium Reclaim Gas Recovery System



Gas Leak Standards



Tracer Gas Mixer



Sniffer Clamshell



## 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



**Corporate Office**  
Cincinnati Test Systems  
10100 Progress Way  
Harrison, OH 45030  
(513) 367-6699  
Fax: (513) 367-5426  
[www.cincinnati-test.com](http://www.cincinnati-test.com)

**China**  
Cincinnati Test Systems  
Dongfang Road 3601  
Harvest Industrial Park No. 7 Building  
Room 403  
Pudong, Shanghai, China 200125  
+86 +21 58366290  
Fax: 96-21-58366290

**Korea**  
Cincinnati Test Systems Korea Inc.  
1st Floor of Hwa-Jin Building  
#988-4 Danjeong-dong Gunpo-si  
Gyeonggi-do 435-870 Korea  
82-707-7501-7743  
Fax: 82-31-601-8343



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