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# Agilent C15 Industrial Component Leak Detector

Ease of Integration, Communications Flexibility, Industrial Robustness,  
and Supportability for today's industrial integration market



# Agilent C15

## Industrial Component Leak Detector

The C15 Component Leak Detector simplifies the complex task of leak detection integration by raising the standard for Ease of Integration, Communications Flexibility, Industrial Robustness, and Supportability for today's industrial integration market.

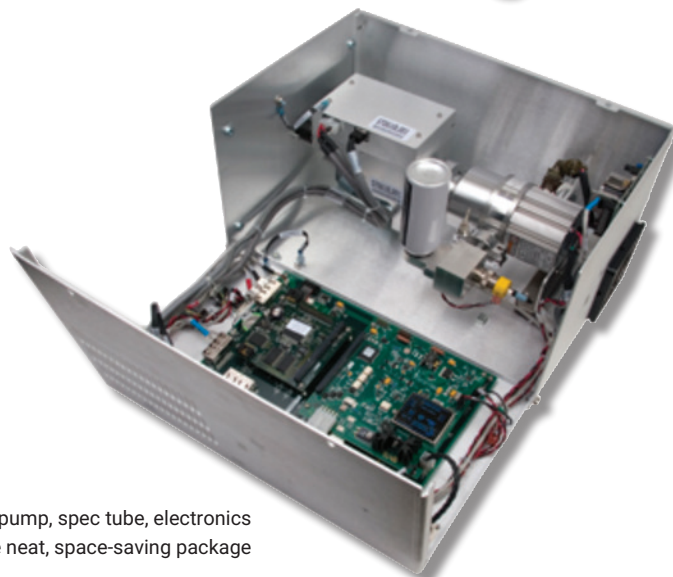
### Ease of Integration

#### One Box, Simple Interface

- Compact housing minimizes space requirements everything needed to do the job is located within one box. Over 50% reduction in space when compared to competitive systems
- Simplified interface with only two cables required, one for power, one for communications
- Does not require mounting modules or bulky, expensive interconnecting cables that are found standard in most leak detection systems today



Only two cables required



Turbo pump, spec tube, electronics all in one neat, space-saving package

### Communications Flexibility

#### Limitless Communication Options

- Most comprehensive array of interface options, including serial, discrete I/O and Profinet®. Other interface options to be made available when required.
- Optional color touch screen display allows access to system status information and all operating parameters





## Industrial Robustness Rugged, Compact Design

- Critical leak detector components are safely housed in a single enclosure protecting them from the industrial environment
- Selectable sensitivity scales and a Contra-Flow vacuum design ensures fast, accurate measurements while maximizing protection from contamination in industrial applications

*Small, compact, self-contained  
footprint inside your system*

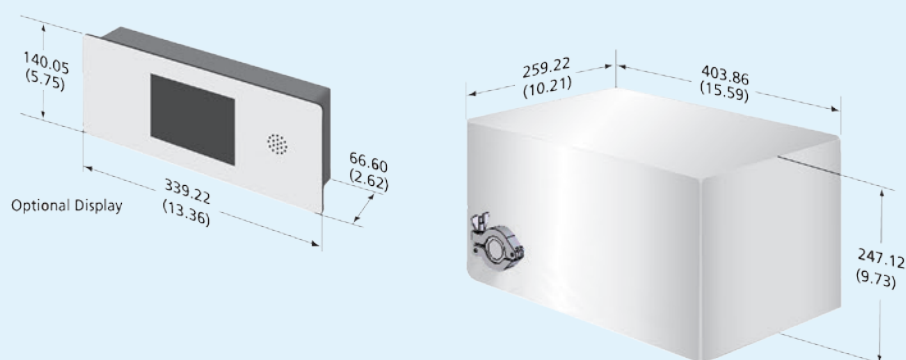


## Supportability

### Easy Service plus Remote Access Capability

- Single housing with easy access to all critical components
- Automatic upload/download of setup parameters
- Supported by Agilent's industry leading Advanced Exchange Program when system replacement is required minimizing downtime
- Integrators team with Agilent's Global Support Network to access the leak detector remotely utilizing Agilent's RemoteCare to perform analysis for proactive system reviews or rapid problem resolution

# Technical Specifications



UL/CSA, CE Approved

Dimensions: millimeters (inches)

Technical Specifications	
Minimum Detectable Leak	$5 \times 10^{-10}$ atm · cc/sec; $5 \times 10^{-10}$ mbar l/s; $5 \times 10^{-11}$ Pa m <sup>3</sup> /sec
Selectable Sensitivity Ranges	4 working ranges covering $1 \times 10^{-3}$ – $1 \times 10^{-9}$ atm · cc/sec Torr
Maximum Test Port Pressure	5 Torr, 7 mbar, 667 Pa
Calibration Routine	Automated or manual (internal or external)
Internal Calibrated Leak	$\sim 1 \times 10^{-7}$ atm · cc/sec (scalable across all leak ranges)
Background Suppression	Auto zero, and auto zero < zero function
Display Interface (optional)	High clarity TFT color touch screen
Display – Selectable Languages	English, French, German, Spanish, Japanese, Korean, Mandarin
Set Points	5 set points: 4 leak rate and/or pressure, 1 audio
Analog Output	0-10V, log 1V/decade & 2V/decade and linear (DB-9F)
Serial Interface	RS-232 isolated interface @9600 baud (DB-9M)
Discrete I/O	Optically isolated, 5-24VDC outputs and inputs (DB-25S)
Networking Interface (optional)	Profinet® I/O option (RJ45)
Power Input	24VDC power input: 24VDC; $\pm 5\%$ , maximum current: 4A
Operating temperature	+5 – +50 °C

Ordering Information	
Description	Part Number
C15 Base Unit (9 kg.   19.8 lbs.)	G8603A
<b>Options/Accessories</b>	
Display and display cable – 10 ft.	VSC15DU
Display Cable – 10 ft.	VSCDUC10
24V External Power Supply	VSC15PS
Power Cord for Power Supply – 8 ft.	VSCBUPC8
Remote Gauge Cable – 10 ft. (convectorr gauge sold separately)	L91223010
Remote Gauge Cable – 25 ft. (convectorr gauge sold separately)	L91223025
Profinet® Interface Card – factory installed	VSCFACP
Profinet® Interface Card – field installed	VSCFLDPN



# The Agilent Advantage: maximizing productivity and uptime

## Global Applications Support

### Expertise When and Where You Need It

- Native language specialists available locally worldwide
- Application specific consulting
- More than 10,000 installed systems delivering application solutions to customers in a broad range of industries



## High Performance Instruments

### Agilent HLD Leak Detectors

- Easy to Use
- Powerful
- Versatile
- Dependable
- Truly Portable



## Industry Leading Service & Support

### Get The Most From Your Investment

- Most extensive network of service engineers available locally to meet your needs
- Exchange inventory for replacement components
- On-site or factory repair
- Full range of standard and customized support plans



Learn more:

[www.agilent.com/chem/C15componentleakdetector](http://www.agilent.com/chem/C15componentleakdetector)

Buy online:

[www.agilent.com/chem/store](http://www.agilent.com/chem/store)

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Trusted Answers