

## Wireless Hand-Held Remote Control for HLD & VS Series Leak Detectors



Leaks in large systems often occur far from the leak detector. Wired remote controls have sought to address this problem but impedance and the cumbersome nature of long cables are often limiting factors, so in many applications these traditional wired remotes offer little benefit.

Agilent is proud to introduce the first wireless remote control for a helium mass spectrometer leak detector. By utilizing modern wireless technology, leak testing hard-to-reach locations is now much easier, and can be performed at much greater distances of up to 100 meters.

Applications in large systems in which two technicians were previously required can now be performed by one technician, thereby reducing labor costs. All the major functions of the leak detector are now at your fingertips giving you a truly portable leak detection solution.

In addition to the visual bar graph of the leak rate, the remote control has a speaker that provides a variable tone indicating the trend and relative size of the leak. The wireless remote can operate for a full 8-hour shift, or longer, on four AA batteries and conforms to ISM band, 2.4 GHz FHSS standards.

Features	Benefits
Wireless technology	Significantly extends range without cumbersome, restrictive cables
100 meter (328 ft) range	Enables single operator testing
Internal speaker	Emits variable tone that corresponds to leak rate signal
Head phone jack	Enables testing even in noisy environments
20 channels	Allows use of hand-held remote with multiple leak detectors
2.4 GHz frequency, ISM band compliant	Free license band with minimum cross-talk

Applications
Vacuum Furnaces
Glass Coaters
Roll Coaters
E-Beam Welders
Beam Lines/Accelerators
Semiconductor Process Tools
Ion Implanters
Power Generation Plants

## Technical Specifications

Frequency/Band	2.4 GHz, ISM Band FHSS Compliant
Range	100 m (328 ft)
Functions	Test/Hold, Zero, Read Standard Leak, Set-up
Power Supply	4 (four) AA Batteries or by 5 ± 1 VDC, 1 A (min)
Operating Life	Approximately 12 hrs (dependent on batteries)
Internal Speaker	85 dB min @ 1.0 ft
Head Phones	Mono, 3.5 mm plug, ≥ 32 ohm impedance, 1000-10,000 Hz frequency response
Operating Temperature	+12°C to +40°C
Ruggedness	Meets industrial standards for hand-held equipment (Section 8.4.2 of UL 61010-1 2nd edition)

## Ordering Information

Description	Part Number
Wireless Remote Controller	G8600-60002
HLD Wireless Remote Control Base Unit Kit (field installed)	G8610-63000
Wireless Remote Control Base Unit Kit (field installed)	G8600-68001
Also available as a factory installed option (#102) on new leak detectors	

## Contact information

### Americas

Agilent Technologies  
121 Hartwell Avenue,  
Lexington, MA 02421 USA  
Toll free: +1 800 882 7426  
vpl-customer@agilent.com

### Europe, Middle East, Africa, India

Agilent Technologies Italia SpA  
Via F.lli Varian 54,  
10040 Leini (Torino), Italy  
Tel: +39 011 9979 111  
Toll free: 00 800 234 234 00  
vpt-customer@agilent.com

### China

Beijing Office Agilent Technologies (China) Co. Ltd.  
No.3, Wang Jing Bei Lu,  
Chao Yang District,  
Beijing, 100102, China  
Toll free: 800 820 6778  
Contacts.vacuum@agilent.com

For more information, please contact your Agilent representative or visit [www.agilent.com/chem/vacuum](http://www.agilent.com/chem/vacuum) where you can chat live with a vacuum expert.



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