



Wireless Hand-Held Remote Control for VS Series Leak Detectors

Data Sheet



Applications

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

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

Wireless technology
100 meter (328 ft) range
Internal speaker
Head phone jack
20 channels
2.4 GHz frequency, ISM band compliant

Benefits

Significantly extends range without cumbersome, restrictive cables
Enables single operator testing
Emits variable tone that corresponds to leak rate signal
Enables testing even in noisy environments
Allows use of hand-held remote with multiple leak detectors
Free license band with minimum cross-talk

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Wireless Hand-Held Remote Control

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 numbers
VS Wireless Remote Controller	G8600-60002
VS Wireless Remote Control Base Unit Kit (field installed)	G8600-68001
Also available as a factory installed option on VS leak detectors	

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