Valve-Squeak™: Technology Breakthrough in Leak Detection

Designed for operations and maintenance personnel to perform frequent valve checks in their units, Valve-Squeak is an easy-to-use through-valve loss detection system. Small enough to fit in your pocket, Valve-Squeak isolates leaks of any size and in any valve saving you thousands, if not millions of dollars.

FIND LOSSES BEFORE THEY GROW

Simple Operation. A green light shows a “no leak” and a yellow LED bar graph shows a leak range of “small” to “very large”. Once a leak is identified, your VPAC™ unit can be used for quantification. Valve-Squeak has high noise and vibration immunity and is Intrinsically Safe for use in hazardous, gaseous environments that require Class I, Div 1, IIC, T4 (currently only meeting US certifications).

• The valve leak still needs to be verified and quantified by a VPAC system and operator.
• To keep the Valve-Squeak cost low, it contains simplified electronics.
• With the low cost of the Valve-Squeak it’s possible to have many units in a refinery or plant to help the single VPAC operator locate potential loss.
• VPAC operators are still needed to quantify/measure CFM or GPM.

WHY VALVE-SQUEAK?

• Locates leaks in valves including PSV, RV, CV and all others
• Used worldwide in refineries, chemical plants and offshore platforms
• Realizes plant savings ranging from $500,000 to $5,000,000/year when combined with a VPAC/S131 leak detection system (even leaks in a small valve can result in significant losses)
• ROI is in the first use
• Identifies losses rapidly
• Eliminates excessive flaring

SAVE TIME AND MONEY BY:

• Drastically cutting “sellable” gas losses
• Reducing turnaround time
• Maintaining plant integrity and safety
• Cutting back on maintenance costs
• Moving towards zero emissions
• Meeting EPA Clean Air requirements
• A key tool for LDAR programs

For more information, call 1-609-716-4000 or visit us on the web at www.mistrasgroup.com

Specifications for Valve-Squeak:

Size: ............... (LxWxH) 5.0" x 2.80" x 1.1
Weight: ............. 0.5 lbs.
Power: .............. 2–AA Alkaline Batteries 1.5V
Battery Life: ....... > 4 days continuous operation
Processor: .......... Internal microprocessor
Display: ............. 16 LED’s
Operating Temp: -22° - 158°F (-30° to 75°C)
Storage Temp: -40° - 185°F (-40° to -85°C)

Specifications for Sensors:

Sensor Temperature
S9203-IS ........... -30° to +85°C
VS9203-IS ....... -30° to +85°C
(Much higher temperatures can be reached with Waveguide. Ultimate temperature is dependant on exposure time.)
Intrinsically Safe
Class I, Div 1, IIC, T4, Intrinsically Safe (IS) apparatus