

Technical Bulletin

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Use of Portable Gas Monitors with Pumps in Outdoor Environments

Through its ongoing research related to portable gas detection monitors, Industrial Scientific Corporation has identified a potential issue with the accuracy of gas measurements made with aspirated (pumped) portable gas monitors when they are used to sample outdoors in windy conditions. Wind speeds of 5-10 miles per hour (8-16 kilometers per hour) may reduce gas concentration readings of a remote sample by diluting the sample being pumped to the sensors. The potential for inaccurate readings depends on the instrument, pump design, wind velocity and direction.

As a result of this research, Industrial Scientific has made a design improvement to the Ventis MX4 multi-gas monitor. By modifying the door of the Ventis pump, P/N 17151150-00 (black) and 17151150-10 (orange), Industrial Scientific has taken further steps to ensure accurate readings at wind speeds of up to 25 miles per hour (40 kilometers per hour).

All Ventis with pump monitors that ship after February 23, 2012 will include the new modified pump door to ensure accurate readings in the above mentioned conditions.

Industrial Scientific encourages all users of portable pumped gas monitors to check with the manufacturer of their instruments to ensure the units have been tested and do not pose a potential issue when taking remote measurements in windy conditions.

All current customers using a Ventis with pump are encouraged to contact Industrial Scientific directly to request one of the new modified pump doors at no additional charge if they are using the Ventis to take remote samples in potentially windy outdoor environments.

Below are the contact email addresses and phone numbers that can be used to request a new modified pump door:

North and South America:	customerservice@indsci.com	1-800-DETECTS (338-3287)
Australia and New Zealand:	auscustomerservice@ap.indsci.com	+61 3 9644 7777
Europe-Middle East-Africa region:	customer.support@eu.indsci.com	+00 800 WORKSAFE
Asia-Pacific region:	info@ap.indsci.com	+86 21 5899 3279

Sincerely,



Gregory S. Bako
Product Manager



Gas Detection
as a Service
iNet

OUR MISSION

Preserving human life on, above and below the earth
Delivering highest quality, best customer service ...
every transaction, every time

