
New Zealand defence force doubles numbers of Tiger VOC detectors used during field inspection & overseas deployment

Additional handheld PID instruments which help protect military personnel are chosen for compact & robust design, reliability and ease of use

The New Zealand Defence Force (NZDF) has doubled the number of Ion Science (www.ionscience.com) handheld Tiger volatile organic compound (VOC) detectors it uses to monitor hazardous gas concentrations during domestic field inspections and overseas deployment.

NZDF Equipment Manager, Bryan Geurts comments: "The Health & Safety of military personnel in the field is of paramount importance and last year NZDF started looking for new VOC detectors to replace its obsolete photoionisation (PID) instruments.

He continues: "Both Ion Science and the Tiger model were recommended to us and the device's compact and robust design was a key point in its favour, since its ruggedness allowed it to be taken into difficult environments where it could be carried around easily by an individual.

"We placed our first order in 2013 and have been so impressed by the Tiger's reliability and simple operation that we took the decision to purchase more units this year," he concludes.

NZDF downloads data from the Tigers onto laptops where it is collated with other measurement information covering weather, heat, humidity and dust.

A robust handheld VOC detector, Tiger provides a dynamic detection range of 1 parts per billion (ppb) to 20,000 parts per million (ppm), offering the widest measurement range of any other VOC instrument on the market.

The Tiger handheld VOC detector leads the way with its humidity and contamination resistant PID technology, proven to be the best performing against competing instruments when operating in humid and contaminated environments where it provides the most stable, repeatable readings.

Ready to use, straight out of the box, the Tiger requires no complex set up procedures via a PC to perform basic functions and provides the best available VOC detection and software features available.

Ion Science's Tiger also has the fastest response time on the market of just two seconds and can be connected directly to a PC via the USB offering extremely fast data download capabilities.



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It has been designed for the safe replacement of batteries in hazardous environments and is intrinsically safe (IS) - meeting ATEX, IECEx, UL and CSA standards.

The NZDF comprises of just over 14,000 people. This includes around 8,900 Regular Force, 2,200 Reserve Force and 2,900 civil staff members across the armed services of Navy, Army and Air Force. The NZDF is spread across camps and bases throughout New Zealand. Its national strategic headquarters are in Wellington and the operational joint headquarters are at Trentham in Upper Hutt.

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