



Press Release PR-21

Ion Science launches innovative new accessory for popular Tiger VOC detector

Latest development for continuous area monitoring of accident and excavation sites helps ensure general public and workers stay protected from VOC gases

Ion Science (www.ionscience.com) has developed an innovative new accessory to complement its popular Tiger handheld volatile organic compound (VOC) detector. Specially developed for use within continuous area monitoring programmes the USB to RS232 converter module can be deployed at accident and major excavation sites to help ensure the general public and workers stay protected from potentially harmful VOC gases.



This exciting new accessory has been designed by Ion Science so customers can use the Tiger photoionisation (PID) instrument alongside their existing continuous area monitoring equipment. It enables the PID signal from the robust handheld device to be transmitted to a base station allowing the site perimeter to be continuously monitored when digging up the ground in public areas.

It has opened up a whole raft of possibilities for the Tiger as the output reading can be connected to a LAN, transmitted to a WIFI network or even outputted to a GPRS device.

The accessory requests data from the Tiger's USB and outputs the reading via RS232 at a rate of 1/second, regardless of whether a host device such as a laptop or PC is present.

It is already in use in the USA where it has allowed the Tiger to be used as a solution for detecting VOCs within vital continuous area monitoring systems.

A suitable RS232 connector is required to connect between the new accessory and other equipment such as data loggers and telemetry systems. A red LED indicated the status of the accessory and is visible from the box lid.



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Andrew Scott, Product Manager at Ion Science comments: “The new accessory was developed in response to customer demand for a more mobile PID instrument that is capable of giving live readings back to a master controller. It has opened up a whole world of connectivity and means action can be taken immediately if VOCs are present.”

The Tiger VOC detector is independently verified by the state of Maine Department of Environmental Protection (ME DEP) as the best performing PID in humid and contaminated applications, allowing extended operation in difficult working conditions.

It 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.

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.

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.

For more information on how the SUB to RS232 converter module works, please view the [Quick Start Guide](#).

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