

Ion Science launches Tiger^{LT} an entry-level handheld VOC monitor

Streamlined, low cost version of popular and well proven Tiger PID instrument offers leading accuracy, run time and worldwide Intrinsic Safety certification

Reinforcing its position at the forefront of gas detection instrumentation for global occupational health and environmental monitoring, Ion Science (www.ionscience.com) has launched its Tiger^{LT} handheld volatile organic compound (VOC) monitor. This entry-level PID, which offers worldwide Intrinsic Safety certification for use in potentially explosive atmospheres, is a streamlined, low cost version of the company's well proven Tiger model.

Ideal for conducting environmental surveys, the handheld Tiger^{LT} incorporates Ion Science's market-leading PID technology with advanced patented fence electrode technology. This three-electrode format ensures increased resistance to humidity and contamination for ultimate reliability and accuracy in the field, as well as considerably reducing drift issues and extending run time.

With a detection range of 0.1 - 5,000 parts per million (ppm) utilising a standard two-point calibration protocol, Ion Science's robust Tiger^{LT} also offers an unrivalled industry response time of just two seconds and equally quick clear down.

Both simple to operate and service, the new Tiger^{LT} has been specifically developed by Ion Science to allow the operator easy access to the lamp and sensor in minutes, and for the safe replacement of batteries in hazardous environments. The intrinsically safe instrument also meets ATEX, IECEx, UL and CSA standards.

Duncan Johns, Managing Director at Ion Science says: "The launch of an entry-level version of our popular Tiger instrument is another example of Ion Science responding to the demands of its global customer base. Although the Tiger^{LT} has been streamlined to offer major cost benefits, it still offers an array of industry-beating features to ensure optimum performance.

He adds: "The key advantage of Tiger^{LT} over other similar, low cost handheld PID instruments is its market leading accuracy and run time due to its anti-contamination and humidity resistant design. Another attribute is its global Intrinsic Safety certification. Although the accreditation process can differ from country to country, the Tiger^{LT} can be used in explosive hazardous areas such as within petrochemical plants that are located anywhere in the world."

The Tiger^{LT} six pin MiniPID detector cell with anti-contamination design dramatically extends run time in the field. Low cost filters and lamps can be easily changed in minutes, minimising downtime.

This new instrument also features long life rechargeable Li-ion batteries which give up to 24 hours usage. Fast battery charging allows the instrument to be fully charged in 6.5 hours, while eight hours of use can be achieved from 1.5 hours of charging time.



Cont.../2



Tiger^{LT} features a protective, removable boot for harsh environments while a large, clear back-lit display allows for easy viewing in any light condition. It is IP 65 rated against water ingress. An integrated torch is designed for directing the instrument's probe into dimly lit areas. Other features include a loud 95 dB audible alarm and multiple language support.

Ready to use, straight out of the box, the Tiger^{LT} does not require complicated set up procedures via a PC to perform basic functions.

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