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USA-based Lakeshore Environmental chooses Tiger^{LT} PID for humidity resistance and value for money

Privately owned environmental engineering and consultancy business, Lakeshore Environmental, has chosen a handheld, entry-level Tiger^{LT} photoionisation detector (PID) from Ion Science to replace an outdated and unsupported competitor instrument. The USA-based business is using the volatile organic compound (VOC) monitor to screen soil and indoor air, and to measure influent and effluent concentrations in soil vapour extraction systems.



Offering worldwide intrinsic safety (IS) certification for use in potentially explosive atmospheres, the recently launched Tiger^{LT} is a streamlined, lower cost version of Ion Science's well-proven and popular Tiger instrument.

David Hazebrouck, President of Lakeshore Environmental comments: "When our old PID was unable to hold calibration, the manufacturer could no longer service or stock parts for it which I found unacceptable. When presented with alternative instruments from other companies, the Ion Science Tiger^{LT} seemed to offer the best value for money and could tolerate moisture which was a key feature for our business."

"We are currently using the instrument once per week on average with readings recorded in field notebooks. So far, it is proving easy to use, reliable and accurate," he concludes.

The Tiger^{LT} incorporates Ion Science's market-leading MiniPID 2 technology with advanced patented fence electrode system. The three-electrode format ensures increased resistance to humidity and contamination for ultimate reliability and accuracy in the field, as well as considerably reduced drift issues and extended run time.

With a detection range of 0- 5,000 parts per million (ppm) with a 0.1 ppm minimum sensitivity, Tiger^{LT} offers a response time of just two seconds and is equally quick to clear down.

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Simple to operate and service, Tiger^{LT} allows easy access to the lamp and sensor whilst the batteries can be safely replaced in the field. It also meets required ATEX, IECEx, North American and Canadian standards.

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.

The instrument features long life rechargeable Li-ion batteries which give up to 24 hour usage. Fast battery charging allows it to be fully charged in 6.5 hours, while up to eight hours of use can be achieved from 1.5 hours of charging time. Performing basic functions does not require complicated set up procedures using a PC.

Tiger^{LT} features a protective, removable boot for harsh environments and 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.

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