

LDAR phx42

FID VOC Analyzer

The phx42 is a portable FID analyzer that measures VOCs in ambient air. This latest generation FID has been specially designed by LDAR to optimize your fugitive emissions measurements in ATEX environments.

Robust, light and highly precise, the phx42 presents several innovations dedicated to LDAR (Leak Detection and Repair) programs such as its extended range of VOC measurement up to 100,000 ppm, active regulation of hydrogen, heating time reduced to 15 min and live monitoring via Bluetooth.

- ✓ **FM/UL, CSA, ATEX & IECEx Certified**
- ✓ **Detection According to Standard Methods: EN 15446 2008, EPA 21, EPA-453/R-95; AWP**



Flame Ionization Detection (FID)

SPECIAL FEATURES

PUMP THROTTLING & DEADHEAD DETECTION

Automatic pump throttling maintains a consistent sample flow - particularly when the filter has been partially blocked.

21 FAILSAFE

Techs cannot inadvertently use a phx42 that has not been properly calibrated for route monitoring that day for users also using a SpanBox and Freedom.

DATA & ANALYZER FEEDBACK

Log files are recorded on the mainboard, including voltages, ppm, pump power, pressures and temps.

FILTER DETECTION

phx42 will be able to detect if a filter is in place and will not let you monitor if filter is missing or has been removed. Certain conditions apply.

SMALLER, LIGHTER, AND THINNER

An even smaller and lighter unit makes life a little easier for the technician.

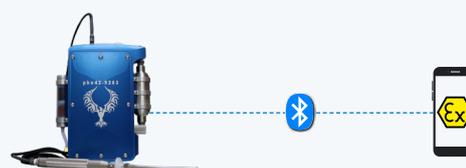
CONTINUOUS MONITORING POSSIBLE

Able to run with external H2 and Power indefinitely. No need to swap H2 cylinders. Automatic logging is included when Android Device is connected when using the free phxApp.

APPLICATIONS

- Fugitive and diffuse emissions of VOCs in ATEX environment
- Leak detection and repair (LDAR)
- Monitoring of landfills & waste treatment sites
- Sanitation site
- Measurement of VOCs in ambient air

Easy Monitoring via Smartphone



TECHNICAL SPECIFICATIONS

MEASURING RANGE 0-100 000 ppm

RESOLUTION 1 ppm

H2 RECHARGE TIME < 15s

HEATING TIME 15min

BATTERY Lithium Ion

CASE Aluminium

INTEGRATED :

- Filtered probe
- Combustion air purifier
- Hydrogen regulator
- Built in bluetooth
- Moisture evacuation in standby mode
- Modern LiO Battery with Management System
- Modular Glow Disk
- Reliable Patented Pump Throttling
- Sleep Mode to evacuate moisture from FID

CONTROL AND DIAGNOSIS SOFTWARE Preinstalled on the tablet provided

DIMENSIONS W x D x H = 25.4 x 5.5 x 19 cm

WEIGHT 3.3 kg

KEY POINTS

- Compact, light, precise and robust
- Range extended to 100,000 ppm
- Data monitoring via Bluetooth Android
- Improved hydrogen control
- Integrated H2 Cylinder
- Filter removal detection
- Combustion air purifier
- 10 minute pump replacement
- Operate in reduced Oxygen locations
- 10 hours autonomy
- Configurable for Cooling Tower Monitoring
- Optimized for Extreme Cold

Online Customer Portal

- Level one repair tech certification program
- Access to equipment repair info
- Onboard logging for diagnostic purposes

SPAN BOX AUTOMATIC CALIBRATION



Calibrates up to 6 phx42 analyzers for 6 span gasses simultaneously!

SpanBox automatically captures and preserves all calibration data you are required to generate and store, including accuracy confirmation and drift assessments.

Just connect the phx42 to the SpanBox, press "Start" and reply to the prompts!

Discover The phx42 Zero Oxygen Mode

The phx42 ZOM can perform VOC sampling in low oxygen or no oxygen environments such as nitrogen buffers, carbon canisters, VOC tank inspection or other specific applications.

What was previously impossible to monitor because there was not enough oxygen available at the probe tip to sustain the hydrogen flame in the FID is now achievable with the phx42 ZOM!



For more information

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