

Flame Ionization Detection

LDARtools phx42 FID Analyzer

The phx42 FID technology is designed for the environmental and oil & gas industries to incorporate a safer, more efficient LDAR (Leak Detection and Repair) program. The detection of fugitive emissions and leaks with the phx42 is immediate – leading to prompt repairs, reduced emissions, and conformity to regulatory inspections.

FEATURES

- Certification for Class 1, Division 1 hazardous environments
- Intuitive command and control through a wireless hand-held PDA
- Extended upper detection range
- Live data feedback – voltage, H₂ levels, pump health, thermocouple temp, and VOC ppm
- Smaller and lighter design
- 1-year warranty
- Compatible with SpanBox Auto-Calibration station

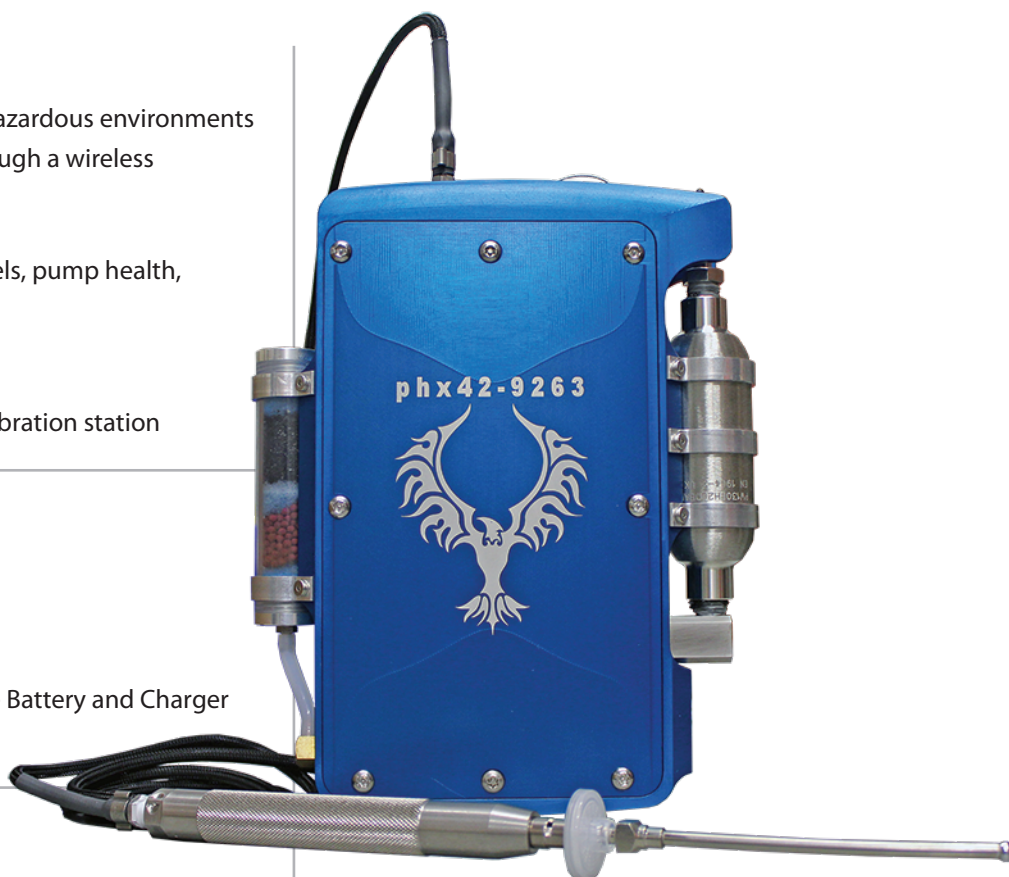
STANDARD KIT INCLUDES

- phx42 FID unit with H₂ tank
- Backpack IS Protected
- Inlet Probe
- Internal Extended Life Rechargeable Battery and Charger
- Pelican Case with Precut Foam

OPTIONAL ACCESSORIES

- H₂ Fill Adapter*
- Hand-held WiFi PDA with Android Operating System and Cellular Compatible (IS rated)
- Fill Adapter Maintenance Kit
- SpanBox 530 Auto-Calibrator
- Tool Kit
- Spare Parts Kit
- Probe Filters – Double Thread

*Required for filling phx42 H₂ tank



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SPECIFICATIONS

What You Get:

- phx42
- Standard Probe
- Shipping Pelican Case

What You Need:

- Hydrogen (H₂) Fill Adapter
- External Handheld
- Backpack (NOTE: While the selection of the backpack is up to the end user the phx42 must not share a pocket with any other items or tools).
- Training and Installation – We require all new customers purchase training/install. The phx42 has the best technology and we want to make sure you know how to make it work for you.
- 12V 1 Amp nominal Class II Power Supply with applicable connector fitting.

What You Might Want:

- Software
- Spare Parts Kit – The kit includes all parts you might need for minor on-site repairs.
- Extended Warranty

Warranty and Replacement Parts:

- Repairs are only to be made by LDARtools Certified Personnel. Repair by noncertified personnel will invalidate the warranty and require factory recertification.
- All replacement parts must be obtained from LDARtools. Use of parts from unauthorized vendors will invalidate the product warranty and may impair the intrinsic safety of the device.

Cleaning and Equipment Maintenance:

- The phx42 may be cleaned using a damp rag in a non-hazardous location.
- If the phx42 experiences a defect or malfunction resulting from misuse, or accident including internal contamination it must be returned to LDARtools for factory recertification.

phx42 Operating Parameters

Warm-up Time (M21/LDAR mode)	15 Minutes	
Recommended Sample Flow Rate	.2 - .3 liters/minute	
Accuracy and Linear Range	M21/LDAR mode	High Sensitivity (currently in Beta. Contact Support for more info)
	The greater of 10% of Reading or ± 1.0 PPM 0 to 100,000 PPM	$\pm .5$ PPM 0 to 100 PPM

SPANBOX AUTO-CALIBRATION

SpanBox simplified calibration gas delivery processes by automatically calibrating the phx42 FID and providing drift assessments – improving fleet compliance and time efficiency. Calibrate and span up to 3 analyzers simultaneously. SpanBox comes with an external display and 1 year warranty.

SpanBox Lite 530

- Calibrates three (3) phx42s
- Supports five (5) external gases

Calibration Software Required. Pricing for Software is per Analyzer per year.

LDARtools phx42 System

