phx42™ is the latest FID analyzer designed by LDAR technicians for LDAR technicians to perform Method 21 inspections as well as other Total Hydrocarbon detection.

**INNOVATION:** 12 years of working with phx21™ and hundreds of customers have paved the way to phx42.

**EXTERNAL PDA CONTROL**: Entirely controlled by a wireless hand-held, phx42 also includes powerful datalogging software that can be used to create electronic records of inspections.

**ENHANCED HYDROGEN CONTROL:** Major modifications have been made to automate the control of H2 flow. Improvements also reduce the likelihood of H2 leaks and eliminate the need to make a manual adjustment in H2 pressure.

**EXTENDED MEASUREMENT RANGE:** phx42 can accurately read PPM values up to 100,000 PPM.

**EXPANDED SAFETY CERTIFICATIONS:** Certified per the following applicable standards: FM/UL (United States), CSA (Canada), ATEX (European Union), IECEx (USA, Canada, China, Saudi Arabia, and more).



## 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.

- **BATTERY:** A state-of-the-art, Lithium based battery allows years of service and 10 hours of run time.

- **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. NOTE: the power supply is not certified for use in hazardous locations.

## Quick Specs

**The Basics**
- **Built-In Bluetooth**
- **Range 0-100,000 ppm Methane**
- **Response time(T-90) ~3.5 Seconds**
- **10 hours H2 run time**
- **1-Year Warranty**
- **Compatible with SpanBox5 Series**

**Included with phx42**
- **Standard Probe**
- **Pelican Case**
- **Charger 120/240v 50/60HZ**

**Required (not included)**
- **Android 5+ or Windows 10 Device for phxApp (free through Google Play Store/Microsoft Store)**
- **Hydrogen Fill Adapter**
- **ES Protected Backpack**
- **Probe Filter**