

**DETECT AND IDENTIFY THOUSANDS
OF GASES IN SECONDS**

XPLORIR

RAPID ANSWERS:

Less than 20 seconds for results

SENSITIVE:

Detection and Identification at
concentrations down to low ppm

SPECIFIC:

Positive identification of gases and
vapors using proven FTIR technology

RedWave
TECHNOLOGY



BREADTH OF ANALYSIS:

Detect and identify more than 5,500 gases
and vapors including:

- TICS
- Petroleum Products
- Solvents
- Industrial Chemicals
- VOCs
- CWA Agents
- Refrigerants
- Common Gases

IDENTIFICATION PROVIDES THE VITAL INFORMATION TO SAFELY CHARACTERIZE AND MANAGE DANGEROUS EVENTS

EASE OF USE:

No sample prep required! Continuous, automatic detection of gases and vapors in real-time

ROBUST:

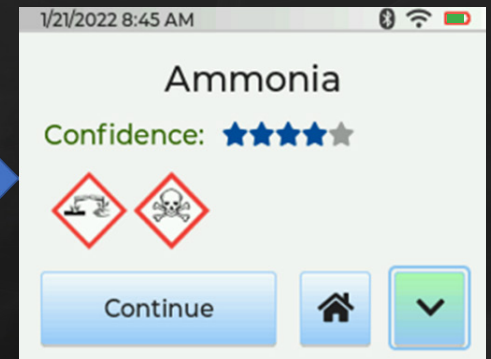
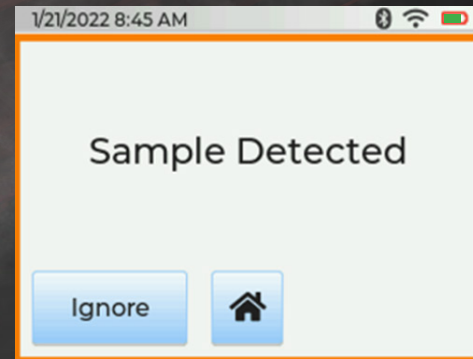
Works in the harshest environments including high temperature and high humidity

COMPLEMENTARY:

Pair with your existing PID for true identification and quantification



SIMPLE, INTUITIVE SOFTWARE



- **Continuous monitoring or point and shoot**
- **Groundbreaking automated data analytics provides confident answers even in challenging conditions**
- **Critical information displayed with every result: GHS symbols, IDLH, LEL, Ionization Energy**
- **All data immediately archived and viewable on the Cloud**



REDWAVE INTRODUCES THE “TEAMLEADER” APP

1. Access to current XplorIR results from anywhere
2. Real-time XplorIR GPS location
3. Access to proprietary threat database
4. 24/7 access to Reachback

**KNOW THE
HAZARDS IN
REAL TIME**





DETECTION AND IDENTIFICATION OF CRITICALLY IMPORTANT COMPOUNDS

FUNCTIONAL SPECIFICATIONS:

Size	5.8" x 12" x 5.6"
Weight	5.5 lbs
Operating Temperature	0 to 50 C
Operating Humidity	0-95% non-condensing
Battery Life	3.5 hours
Battery Charge Time	3 hours
Gas Cell Volume	38 ml
Sample Pump	Active, 1 l/min
Identification Time	< 20 seconds
WiFi	Yes
BlueTooth	Yes
GPS	Yes
Screen	Sunlight readable, full color, 320x240
Dynamic Atmospheric Correction	Yes
Libraries	5,500 compounds, VOC, TICs, WMD
Ingress Protection (IP)	5,4

IDENTIFY OVER 5,500 COMPOUNDS INCLUDING:

ITF-40 LIST

Acrolein
Acrylonitrile
Allyl Alcohol
Ammonia
Arsine
Boron Trifluoride
Carbon Monoxide
Cyanogen Chloride (CK)
Diborane
Dimethylamine
Ethylene Oxide
Formaldehyde
Hydrazine
Hydrogen Chloride
Hydrogen Cyanide
Hydrogen Fluoride
Hydrogen Sulfide
Methyl Hydrazine
Nitric Acid
Nitrogen Dioxide
Phosgene
Phosphorus Trichloride
Phosphoryl Trichloride
Propylene Oxide
Sulfur Dioxide

OTHER COMMON MATERIALS

Acetylene
Benzene
Butadiene
Butane
Carbon Dioxide
Carbon Tetrachloride
Chloroform
Diethyl Ether
Ethyl Alcohol
Flammable Liquids
Fluothane
Gasoline
Hydrochloric Acid
Methane
Methanol
Methylene Chloride
n-Butyl Nitrite
Nitrous Oxide
Phosphine
Propane
Refrigerant Gases
Solvents
Sulfur Hexafluoride
Trichloroethylene
Xylenes