

Intrinsically Safe Two Way Radios



Keep your team safe!

Intrinsically Safe (I.S.) UL913 portable radios are specially designed for those who work in environments with explosive gas and combustible dust, where using regular radios could be unsafe. Expert Mobile understands the challenges in hazardous environments and is dedicated to providing safer radios for more customers.

- Instant Communications
- Better Coordination
- Rich Safety Features
- Group Calling
- Intuitive Designs
- Smart Accessories



PD502i

UHF VHF

ONLY \$699

UL 913 Intrinsically Safe (I.S.) Portable Radio; 256 channels and 16 easily accessible zones; 2-tone, 5-tone (analog mode); analog and digital emergency calling; supports XPT digital trunking; emergency alarm; and more.



PD562i

UHF VHF

ONLY \$799

UL 913 Intrinsically Safe (I.S.) Portable Radio; dual mode (analog & digital); 512 channels, 32 zones; 1024 contacts in digital mode; 16hours battery life under a 5-5-90 duty cycle @1500mAh in digital mode; and more.



PD602i

UHF VHF

ONLY \$829

UL 913 Intrinsically Safe (I.S.) Portable Radio; 1024 channels (with 16 easily accessible channels/zones); 2-Tone, 5-Tone signaling, dust, water, shock, and vibration proof; intelligent audio; and more.



PD682

UHF VHF

ONLY \$1,049

UL 913 Intrinsically Safe (I.S.) Portable Radio; 1024 channels and 64 zones; LCD display; digital battery life: 21 hours @2000mAh, analog battery life: 14.5 hours @2000mAh; dust, water, shock, and vibration proof; and more.



PD702

UHF VHF

ONLY ~~\$1,049~~ \$944.10

UL 913 Intrinsically Safe (I.S.) Portable Radio; 256 channels/16 easily accessible zones; HDC1200 signaling (analog mode); analog and digital emergency calling; supports XPT digital trunking; and more.

POPULAR



PD782

UHF VHF

ONLY ~~\$1,299~~ \$1,169.10

UL 913 Intrinsically Safe (I.S.) Portable Radio; 1024 channels and 64 zones; 1.8" color TFT screen; analog and digital DTMF; XPT; DMR Tier III Trunking; 2 tone, 5 tone; telemetry; and more.

HYTERA SMART ACCESSORIES



RAPID RATE GANG CHARGER

Charge up to 6 radios at once



EXTRA LI-ION BATTERY

Extra battery to help you stay ready



DESKTOP MICROPHONE

Convenient charging solution



12.5 AMP FEMALE CIG. PLUG

For vehicles without cigarette plug



KEYPAD MICROPHONE

Control your radio from the mic



WIRELESS MICROPHONE

Talk freely and conveniently

Learn about Intrinsically Safe (I.S.) Radios

CSA Intrinsically Safe (I.S.) – is the standard for Canadian petrochemical or reactive environments, requiring electronic devices to be engineered for safe use in volatile environments like mining sites, laboratories, petrochemical plants, refinement plants, and any other work areas with volatile chemicals, combustible vapours, fine grain dusts, or loose fibre. This is because electronic devices including radios tend to create the risk of triggering uncontrollable reactions or explosions when they are used in these type of environments.

CSA I.S. radios are approved in:

Class I, II and III, Division 1 and 2, Groups A, B, C, D, E, F and G.

CLASS

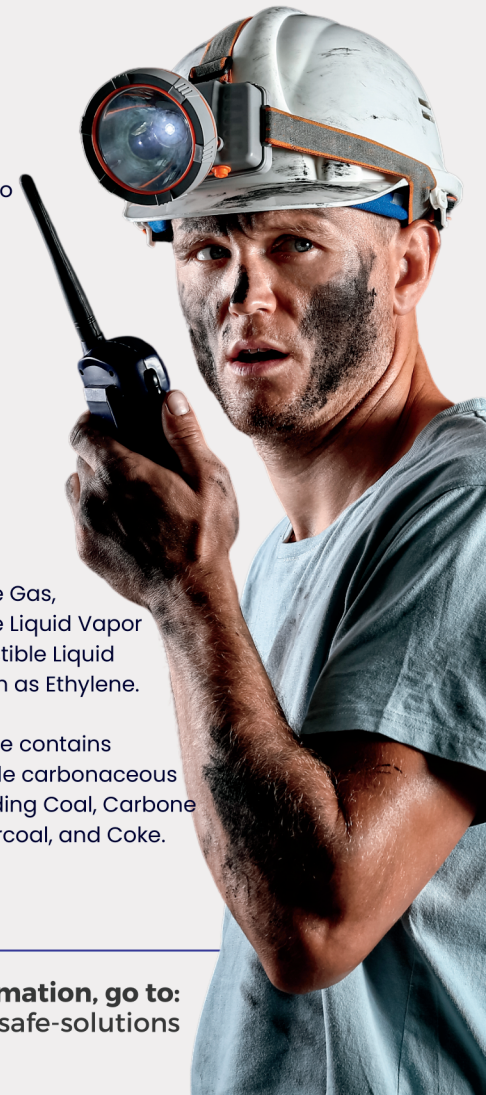
- **Class I** Areas in which flammable gases or vapors may be present in sufficient quantities to be explosive or ignitable.
- **Class II** Areas made hazardous by the presence of combustible dust.
- **Class III** Areas in which there are easily ignitable fibers or flyings present, due to the type of material being handled, stored or processed – but in which such fibers or flyings are not likely to be in suspension in the air in quantities sufficient to produce ignitable mixtures.

DIVISIONS

- **Division 1 – Normal Situation:** A hazard is present in the everyday normal production operation or during frequent repair and/or maintenance activity.
- **Division 2 – Abnormal Situation:** Potentially hazardous material is expected to be safely confined within closed containers or closed systems, and will be present in the atmosphere only through accidental rupture, breakage, or abnormal operation.

GROUPS

-  **A** Acetylene.
-  **B** Flammable Gas, Flammable Liquid Vapor or Combustible Liquid Vapor, such as Hydrogen.
-  **C** Flammable Gas, Flammable Liquid Vapor or Combustible Liquid Vapor, such as Ethylene.
-  **D** Flammable Gas, Flammable Liquid Vapor or Combustible Liquid Vapor, such as Propane.
-  **E** Atmosphere contains combustible metal dust, including Aluminum, Magnesium and other commercial alloys.
-  **F** Atmosphere contains combustible carbonaceous dust, including Coal, Carbon black, Charcoal, and Coke.
-  **G** Atmosphere contains combustible dust, including Flour, Grain, Wood, Plastic, and Chemical.



For more information, go to:
expertmobile.ca/intrinsically-safe-solutions