



# PORTABLE GAS DETECTION INSTRUMENTS COURSE OUTLINE

## THEORETICAL SESSION - 2 Hours

- The definition of gas detection
- Do's and don'ts of gas detection
- Understanding portable instrument applications and usage
- Understanding basic sensor technology
- Understanding gas detection terms and abbreviations (IDLH/STEL/TWA)
- Device hardware interfaces (power, page and reset button)
- Powering up instrument sequence and on-screen indicator
- Instrument set up
- Fresh Air Setup, Bump Test & Full Calibration
- Basic maintenance of portable instruments (replacing batteries and filters)
- Identify instrument internal parts

## PRACTICAL SESSION - 2 Hours

This session will engage participants to use and operate portable gas detection instruments. Participants will have hands-on training conducting bump tests and full calibration. In a simulated occupational environment, participants will practice using the portable instruments where various gases will be simulated above permissible levels, requiring participants to execute the necessary emergency response procedure.

## TARGET AUDIENCE

Individuals working in Confined Space, Fire Fighters and Emergency Response Teams, Safety Professionals

- Minimum amount of persons - 4
- Maximum amount of persons - 15

## CONTACT INFORMATION:

Address: #119 Boundary Road, San Juan, Trinidad  
Telephone: (868) 674-0693/ 0694/ 3632  
Email: [CSR.FSE@irpltd.com](mailto:CSR.FSE@irpltd.com)  
Website: [www.irpltd.com](http://www.irpltd.com)