

Confined Spaces Atmosphere Data

RIIWHS302E



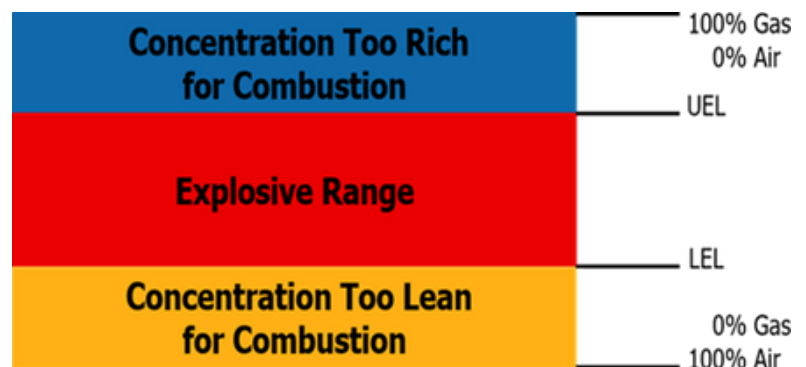
Acceptable Pre-Entry Gas Levels & Continuous Monitoring

| Gas Being Detected | Acceptable Pr-entry | Continuous Monitoring Alarm |
|--------------------------------------|--|------------------------------------|
| Oxygen (O ₂) | Not less than 19.5% Not greater than 23.5% | Less than 19.5% Greater than 23.5% |
| Carbon monoxide (CO) | Less than 30ppm | Greater than 30ppm |
| Hydrogen sulphide (H ₂ S) | Less than 10ppm | Less than 10ppm |
| Explosive level (LEL) | Less than 5% LEL | Greater than 10% LEL |
| Volatile Organic Compounds (VOC) | Less than 10 ppm | Greater than 10 ppm |
| Ammonia (NH ₃) | Less than 25 ppm | Greater than 25 ppm |

Test the atmosphere from outside the space before someone enters and check the results against the entry permit.

The concentration of any flammable gas, vapour or mist in the atmosphere of the space is **less than 5% of its LEL**, so far as is reasonably practicable. If this is not reasonably practicable, and the concentration of any flammable gas, vapour or mist in the atmosphere of the confined space:

- **is equal to or greater than 5% but less than 10% of its LEL**—you must ensure that any worker is immediately removed from the space unless a suitably calibrated, continuous monitoring flammable gas detector is used in the space, or
- **is equal to or greater than 10% of its LEL**—the PCBU must ensure that any worker is immediately removed from the space.



T = Ambient Temperature. Ambient temperature is the air temperature of any object or environment
ppm = Parts per million (ppm) is the number of units of mass of a contaminant per million units of total mass.
ppmv = air pollutant concentration, in parts per million by volume.
%V/V = Volume of concentration of a solution expressed as a % vol per vol.
mg/cubic m or mg/m³ = Milligram per cubic metre = measure of concentration.

Test

1. Whilst compiling related documents such as SWMS, Permits and Procedures,
2. Before any worker enters the confined space,
3. If work stops for longer than 1 hour the space will need to be tested again,
4. Continuously throughout the work