

PGD3-IR

Portable Multi-Gas Detector for Combustible Gases, Oxygen, Carbon Dioxide, CO, H₂S and Other Toxic Gases

FEATURES

- Infrared Combustible Gas Sensor
- Infrared Carbon Dioxide Sensor
- Rugged Enclosure with a Protective Rubber Case
- Instrument and Sensors Guaranteed for Two Years
- Designed for Rugged Environments – Can Withstand Physical Abuse and short-term Immersion in Water
- Impact and Water Resistance to IP66
- Large Backlit Graphic Display
- 360° Visual Alarm
- Full Data Logging Capability Option
- Approved to International Standards

SPECIFICATIONS

- Function:** • Multi-gas detector
- Configuration:** • 2 electrochemical sensors for O₂ & toxic gases
• 1 IR sensors for LEL and CO₂
- Display:** • 2 x 16 character LCD display with backlight
- Visual Alarms:** • Large, flashing red lens section
- Alarm Levels:** • Combustible – one instant alarm
• Toxic – instant STEL & TWA alarms
• Oxygen – one increasing and one decreasing alarm
- Temperature Range:** • 20°F to 105°F (-5°C to 40°C)
- Humidity Range:** • 15% to 95% rH, non-condensing
- Ingress Protection:** • IP 66
- Power Source:** • Rechargeable battery pack
- Operating Time:** • 12 hours minimum between recharge
- Size:** • 7.25 x 4.25 x 1.95 inches (18.5 x 10.8 x 4.9 cm) excluding case
- Weight:** • 28 ounces (1 kg)
- Approvals:** • Certifications:
• Baseefa 03ATEX0235X
• II 2G EEx ia IIC T3
• Performance: Compliant with BS EN 61779:2000
• CE Marked; Tested to BS EN 50270:1099

Sensor Configurations – Examples

CH ₄ - O ₂ - H ₂ S	CH ₄ - O ₂ - CO/H ₂ S
CH ₄ - O ₂ - CO	CO ₂ - O ₂ - CO
CH ₄ - CO ₂ - O ₂ - H ₂ S	CO ₂ - O ₂ - H ₂ S
CH ₄ - CO ₂ - O ₂ - CO	CH ₄ - CO ₂ - CO - H ₂ S

In development: CH₄/CO₂, O₂, CO, & H₂S



ORDERING INFORMATION

Portable Multi-Gas Detector for combustible gases, oxygen, carbon monoxide, hydrogen sulfide, and available for other toxic gases.

% LEL Methane CH₄
% by Volume Oxygen O₂
ppm Carbon Monoxide CO
ppm Hydrogen Sulfide H₂S
ppm Carbon Dioxide CO₂
% Vol. Carbon Dioxide CO₂

Diffusion type monitor;
available with optional internal
sample pump.