

## PQC for a portable Multi-Gas Detector

### 1. Technical Specification:

1. Dimensions (W x H x D) : 50\*130\*45 mm
2. Weight : 250 g
3. Ambient conditions Temperature : -20 to +50 °C; -4 to +122 °F
4. Pressure : 700 to 1300 mbar
5. Humidity : 10 to 95% RH

### 6. Alarms (STEL/TWA)

- a. Visual

- b. Audible Multi-tone

- c. Vibration

### 7. Ingress Protection

### 8. Power Source

### 9. Operating time

### 10. Charging time

### 11. Approvals

### 12. Sensors

### Gas Measuring Range

- a. Oxygen (O<sub>2</sub>) : 0 - 25 Vol.-%
- b. Carbon-dioxide (CO<sub>2</sub>) : 0 - 5 Vol.-%
- c. Carbon-monoxide (CO) : 0 - 2,000 ppm
- d. Nitrogen dioxide (NO<sub>2</sub>) : 0 - 50 ppm

13. Sensors which can be generally used for long period with calibration every 12 months.

14. Water and dustproof according to IP 67 and the instrument should provide optimal functionality even under harsh conditions.