OXYGEN DETECTOR
Model - KM 5491



The KM 5491 Portable Oxygen detector is a kind of essential safety instrument which can continuously detect the Oxygen concentration in the working environment. It is suitable for explosion-proof, toxic gas leakage,under gound pipelines or underground mines & other places.

The instrument adopts a natural diffusion method for detecting gas concentration, using high performance electrochemical sensor, with excellent sensitivity & excellent repeatability. The instrument adopts embedded micro control technology, simple operation, complete functions, high reliability.

✳ APPLICATIONS :

KM 5491 is useful to detect the concentration of oxygen in the ambient air, is widely used in metallurgy, Power Plant, Chemical, Mine, Tunnel, Underground Pipelines & other places, effective prevention of Hypoxia & Oxygen poisoning.

✳ FEATURES :

- Easy to carry, easy to operate.
- Menu operation interface, battery power real time display, under Voltage, Low Voltage automatic shutdown.

✳ FUNCTIONS :

Sensor	Electrochemical Principle
Detection Gas	Oxygen O2
Temp. Measure.	Ambient Temperature
Display unit	**O2 :** %VOL; **Temperature :** °C / °F
Range	**O2 :** 0.1%VOL **Temperature :** 0.1°C / °F
Resolution	**O2 :** 0.1%VOL **Temperature :** 0.1°C / °F
Accuracy	**O2 :** ±2.0%F.S. **Temperature :** ±1.5°C
Response Time	T90<15 seconds

✳ ADDITIONAL FUNCTIONS :

- Alarm : Sound & light vibration alarm
- Alarm Point : Low alarm point 19.5%VOL
  High alarm point 23.5%VOL
- Operating Temperature : -10 ~ +50°C
- Humidity : 15% ~ 95% RH (Non-condensation)

✳ **Power supply :** 1.5V x 3 AAA Alkaline batteries.

✳ **Dimension :** Approx. 115 x 65 x 27 mm

✳ **Weight :** Approx. 100gm.

✳ **Accessories :** User Manual, Battery & Carrying case.

CARBON DIOXIDE(CO2)
DATA LOGGER METER
Temperature & Relative Humidity Meter
Model - KM 7460

LED Back Light

Data Logging
32000 sets



✳ FEATURES :

- **Simultaneous measurement of CO2, Humidity and Temperature measurement**
- **Dual wavelength NDIR CO2 sensor (Non-Dispersive Infrared) for superior stability.**
- **User operated CO2 calibration**
- **Data Hold, Record Data & Max / Min / AVG / STEL / TWA function**
- **Adjustable auto power off time**
- **Internal CO2 alarm buzzer**
- **Backlight display function**
- **Datalogging up to 32,000 sets**



✳ FUNCTIONS :

CO2 SENSOR :

- Type : Non-dispersive infra-red(NDIR)
- Measurement Range : 0 ~ 30000 ppm
- Accuracy : ±(75ppm+3%of reading) (0~5000ppm)
  ±(150ppm+5%of reading) (5001~30000ppm)
- Resolution: 1 ppm
- Response Time: 20 seconds
- Sampling rate: 2 seconds

RELATIVE HUMIDITY SENSOR :

- Measurement Range : 0 ~ 100%
- Accuracy : ± 4.5% RH (20~80%)
  ± 5.5% RH (<20%, >80%) (in still air)
- Resolution: 0.1%
- Response Time: 8 seconds

TEMPERATURE SENSOR :

- Measurement Range : 0 to 50°C (32 to 122°F)
- Accuracy : ± 1.0°C (@23 ± 5°C) (in still air)
- Resolution: 0.1°C / 0.1°F
- Response Time: 10 seconds

✳ ADDITIONAL FUNCTIONS :

- **Operating Temperature :** 0°C ~ 50°C (32 ~ 122°F)
- **Humidity :** 10 to 90%RH (non condensing)
- **Storage Temperature :** -20°C ~ 60°C (-4°F ~ 140°F)
- **Storage Humidity :** 10 to 75%RH

✳ **Power supply :** 9V Alkaline battery.

✳ **Dimension :** Approx. 226.5(L) x 65(W) x 38.5(H) mm.

✳ **Weight :** Approx. 275gm.

✳ **Accessories :** Instruction Manual, Battery, Software CD Micro USB cable & Carrying Case.

MINI CARBON MONOXIDE
GAS DETECTOR
Model - KM-CO-910





KM-CO-910 Carbon Monoxide meter detects the presence of Carbon Monoxide (CO) & measures concentrations between 1-1000 parts per million(PPM). The meter indicates the presence of CO by a reading on the LCD & a beeper tone. The beeper function much like clicking of a geiger counter : above 200PPM, the beeper sounds continuously with the concentration of CO; from 35PPM to 200PPM, the beeper sounds discontinuously with the concentration of CO.

✳ FEATURES :

- **Display :** Large LCD Backlight display.

✳ FUNCTIONS :

- **Sensor :** Stabilized electrochemical Gas-specific approx life 5years.
- **Measurement Range :** 0 ~ 1000PPM
- **High Accuracy :** 5% ± 10PPM
- **Measurement Resolution :** 1PPM
- **Response Time :** < 30S
- **Zero Drift :** < 5PPM
- **Fast sampling time :** 2 times/second.
- **Repeatability :** ±2%.
- **Long-time stability :** < 5%/year.
- Auto Zero

✳ ADDITIONAL FUNCTIONS :

- Accuracy is not affected by humidity.
- Small sensor drift for stable readings.
- Compact, light and easy to carry.
- Audible Alarm ≥ 35ppm & ≤200ppm
- Low battery consumption, long battery life.
- Auto power off after 15 minutes.

✳ **Power supply :** 9V Battery.

✳ **Dimension :** Approx.175(L) X 55(W) X 38(H) mm

✳ **Weight :** Approx. 150 gm. (including battery)

✳ **Accessories :** User Manual, battery & Carrying case.