



# DY880 | DY881

## SINGLE GAS DETECTOR

- Catalytic sensor provides excellent temperature independency to combustibles(DY880)
- Built-in temperature compensation( DY881)
- Instant displayed max value log best for patrol jobs
- %V/V and %LEL unit optional
- Easy and smart zeroing



DY880  
Combustible Gas Detector

DY881  
CO Detector

SPECIFICATION	DY880	DY881
Detection	Methane(LNG/CNG), Propane(LPG),	Carbon Monoxide (CO)
Sensor	Catalytic(made in Japan)	Electrochemical (made in Japan)
Range of detection	0~100%LEL of each gases	0~1000ppm
Resolution	%LEL	1ppm
Displayed Unit optional	%LEL	ppm
Temperature Compensation		●
Alarm raised	> 10%LEL	≥40ppm
Max value displayed	●	
Length of probe	23cm/9"	
Working temperature	-10°C~50°C	-10°C~50°C
Working humidity	< 90%RH	< 90%RH
Battery indication	●	●
Power source	CNEX Li-ion rechargeable 1500mAH battery	CNEX Li-ion rechargeable 1500mAH battery
Dimension	275*70*30mm	275*70*30mm
Weight	900g	900g

### STANDARD ACCESSORIES



# DY882

## PORTABLE NDIR CO<sub>2</sub> METER

- Built-in temperature compensation provides excellent adaption to environment
- Checks for Carbon Dioxide (CO<sub>2</sub>) concentration
- Maintenance free NDIR(non-dispersive infrared) sensor
- Instant max./min. value logged and displayed designed for patrol jobs
- Backlit and programmable audible alarm
- Data hold, sound light alarm devices check



SPECIFICATION	DY882
Detection	Carbon Dioxide (CO <sub>2</sub> )
Sensor	NDIR(non-dispersive infrared) sensor
Range of detection	0~8000ppm
Resolution	1ppm
Accuracy	±300ppm
Temperature Compensation	yes
Max./Min. value logged	yes
Working temperature	0°C~50°C
Working humidity	0~95%RH
Battery indication	yes
LCD backlit	yes
Data Hold	yes
Alarm Device Check	yes
Power source	3.7V Rechargeable Li-ion battery
Dimension	275*70*30mm
Weight	900g

### STANDARD ACCESSORIES



## DY880 COMBUSTIBLE GAS METER

### Operating Area

DY880 is suitable measurement for Liquefied Petroleum Gas and flammable gas consistence.

LPG gas is the test standard of this instrument, while concentration of other mixed gas shall be estimated on the basis of display value.

### Characteristic

1. This tester adopt thermal type sensor, high speed low power consumption.
2. Large LCD display with background light, display precision is 0-6000ppm.
3. Adopt 3.7V and 650mAh large volume rechargeable lithium battery.
4. With 10 minutes automatic shut down and 30 seconds sound alert before shutdown.
5. HOLD.M1.M2.M3 save consistence of the gas.
6. Sound and light alarm function.
7. Adopt power fail safeguard technology, visual zero adjustment and permanent storage of gas calibration value.

### Configuration

1. Power
2. Recharge socket
3. LCD background display with light
4. CLR Zero calibration/Data Clean
5. MUTE
6. HOLD Data hold
7. M1 Memory 1/Transfer button
8. M2 Memory 2/Transfer button
9. Memory 3/Transfer button
10. Sensor and stainless steel tube



LCD display and keyboard configuration



### How to use

1. Press the 'POWER' button for 5 seconds, the tester 'beep' sound, LCD display (battery), (LPG), (PPM) (Gas calibration sign) and remnant of battery .
2. Here, the reading is '0000'. After 10 seconds, the tester will 'beep' sound, it implies that instrument debugging is finished, and testing can begin. If reading is found to fluctuate, please

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press down CLR zero-calibration key, after backlight is off, the reading turns to zero. To note, if M1, M2, M3 symbols with values saved previously are lighted, pressing down CLR key just functions clearing memory, thus, it must be reset after clearing memory.

3. Put the sensor aim at the gas, LCD reading will go up at this time, when the reading over 500ppm, the tester will sequence with alert sound.

4. Testing press the 'HOLD' key, LCD showed . And then press one of the M1.M2 or M3, gas concentration values will be stored in corresponding memory unit while showing symbol of corresponding unit.

5. After the testing, press M1.M2 or M3 key, press the for clear the data. press down key corresponding to memory unit stored (e.g., when LCD shows symbol M1, press down M1 key), gas concentration reading will show saved value in measurement.

6. Clean the data, press the button.

7. When the battery voltage below 2.7V will fast flash. After charged slow flash, LCD showed the battery residual such as .

**Notice:** zero calibrate in the fresh air is necessary.

### Specifications

Gas	LPG, Liquid gas, Manpower Coal gas
Type of sensor	Low power consumptions conductor
Time Power On Self Test	≤20seconds
Frequency of Alarm	200Hz-5KHz
Range of Alarm	>=500ppm
Alarm Type	Light and Sound
Operating Temperature	0°C-50°C
Operating Humidity	<90%RH
Power	3.7V Lithium Battery
Battery charge Alert	LCD Display
Automatism turn off	10 minute (Last 30 seconds Alert)

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### Battery Charge

#### Notice

- a. Please recharge in time when it showed .
- b. The battery is charging, please do not turn on the tester.
- c. This tester used high performance battery, it shall be fully charged and stored if no use for long time.

#### Accessories

- a. 1 Battery
- b. 1 Manual
- c. 1 COA
- d. 1 Plastic Box

#### Caution

1. Refrain from using in ambience with high concentration, volatile and explosible gases.
2. Detection error might arise in some specific environment conditions such as, Severely polluted place, High temperature gradient place, Excessively windy place, Environment with a hybrid of multiple organic solvents and fuel gases.
3. Please remove the lithium battery if not to use long time.
4. Please take and place gently, prevent from collision, water, do not splatter it.

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