775

Combination Carbon Monoxide/Combustible Gas Detector

Contents

General Specifications

Dimensions	240mm X 74mm X 55mm	
Goose Neck Length	16''	
Battery	1.5V Alkaline battery C size X 2	
Power Consumption	About 400mW in typical use.	
Sensor Life	CO Sensor	Months until 80 % original signal (24 month warranted)
Pressure Range	80 ~ 120kPa	
Alarms	Visual/Audible	
Response Time	CO	90% of reading in 30 seconds
	Leak	Instantaneous
Operating Temperature	0°C ~ 50°C	

Sensor Specifications

Type	Resolution	Range	Accuracy
Leak	<50ppm	0~50,000ppm	±10%
CO	1ppm	0~2000ppm	±5ppm or 5% whichever is greater

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Front View

- 2 Line LCD Display
- Combustible Gas Sensor
- Battery Life Indicator LED
- Thumb Wheel
- Yes/Up/ZERO button
- Combustible Gas Indicator LEDs
- On/Off/Menu button
- No/Down/Backlight button

Back View

- Combustible Gas Sensor
- Carbon Monoxide Sensor
- Gooseneck
- Thumb Wheel
- Information Label
- Battery Compartment

Standard Accessories
Instruction Manual
Soft Pouch

Optional Accessories
Earphones

General Description
The 775 is a state-of-the-art Carbon Monoxide and Combustible Gas Leak detector. It is the first of its kind to combine both detection technologies into one easy to use hand-held affordable instrument.
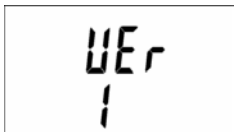
Turning On.

Press the On/Menu button and the instrument will start its set up procedure as follows:-

NOTE-Should the battery life indicator LED change to RED and the 'bat' symbol be displayed then batteries are flat and need replacing.
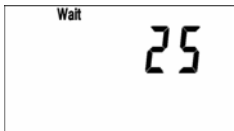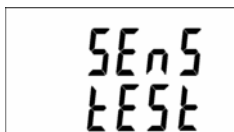
```

EP1
775
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UEr
1
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Software Version

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Wait
25
```
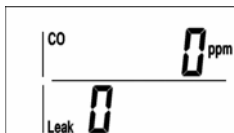CO and Combustible Gas initialisation period.
25 second countdown.

```
Auto
OFS
```

Automatically Zeroes sensors to the air/environment you are in.
NOTE- Always turn instrument on in clean air

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```
SEnS
tESt
```
Automatically tests the Combustible Gas leak sensor

The instrument is now ready for use and the following screen
will be displayed:-

```
| CO        0 ppm
|_____
| Leak  0
```

NOTE-Should an error occur at any point of the set up procedure please refer to the trouble shooting guide for assistance.

<u>Operating Instructions</u>

General

The backlight can be toggled on and off by pressing the N/▼/ backlight button.

Although the instrument performs an automatic zero during the start up procedure a manual zero can be performed by pressing and holding down the Y/▲/ZERO button until the following screen is displayed:-

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RUto
OF5
```

NOTE-Manual Re-Zero should only be performed in a clean air environment.

To turn the instrument OFF press and hold down the ON/MENU button till the instrument beeps.

Combustible Gas Leak Detection

LCD & LED Indication Mode
The presence of Combustible Gas will be shown as follows:-

Amount of Gas Present	LCD Level Indicator	Indicator LEDs Lit Green	Red
<100ppm	0	None	None
>100ppm <500ppm	1	1	None
>500ppm <1000ppm	2	1+2	None
>1000ppm <1500ppm	3	1,2+3	None
>1500ppm <2000ppm	4	1,2,3+4	None
>2000ppm <2500ppm	5	2,3+4	1
>2500ppm <3000ppm	6	3+4	1+2
>3000ppm <4500ppm	7	4	1,2+3
>4500ppm	8	None	1,2,3+4

An audible tone can be heard by turning the thumb wheel until it clicks to the on position.

Tracker Mode

The 775 can also be used to Track/Trace a combustible gas leak by using the following method:-

1. Adjust the TICK ADJUST by moving the thumb wheel in an anti-clockwise direction until a uniform ticking sound is heard.

2. Approach the suspected leak area with the combustible leak sensor until the tick begins to increase. When the tick increases DO NOT move the sensor from the area but re-adjust the TICK ADJUST by moving the thumb wheel back in a clockwise direction till the slower uniform ticking sound is heard again.

3. Repeat step 2 until leak is found.

4. If the tick stops, the concentration level has decreased. Move back in the opposite direction to find the leak again.

Carbon Monoxide Detection

The following information can be accessed for the purpose of ambient Carbon Monoxide monitoring by pressing the ON/MENU button. Each press of the ON/MENU button will move you onto the next screen as follows:
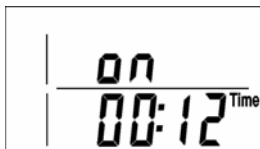
Record Maximum Readings

REC MAX	CO
	_____
	0 ppm
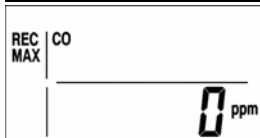
Displays the maximum recorded Carbon Monoxide value since switch on.

The recorded Maximum CO level can be zeroed by pressing the Y/▲/ZERO button for 5 seconds.

Elapsed Time

on
$00:12$ Time

Displays, in Hours and Minutes, the elapsed time since switch on.

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Alarm Warning Level
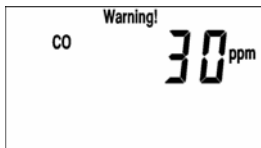
Displays the current value that the personal audible and visual alarm is set at. Alarm is factory set at 30ppm CO.

The Alarm level can be adjusted by pressing the Y/▲/ZERO and N/▼/backlight buttons.

Audible Alarm

Displays whether the Audible Alarm is switched on or off.

The Audible alarm can be toggled on and off by pressing the Y/▲/ZERO and N/▼/backlight buttons.

NOTE- even though the audible alarm is switched off the visual alarm (RED LED will flash and 'Warning' on the LCD) will remain on.

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 Lo
 CAL
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Factory use only

Press ON/MENU button to return to Normal Operating Mode.

Trouble Shooting Guide

Problem	Probable Cause	Possible Remedy
Instrument won't turn on	Flat batteries	Check and replace batteries
'SEnS Err' displayed on Screen	Faulty Combustible Gas Sensor	Combustible Gas Sensor needs replaing
CO error is displayed	Faulty CO sensor	Return Instrument to supplier

Guarantee

Your 775 is guaranteed free from defects in materials and workmanship for 3 Years from the date of purchase. The Carbon Monoxide sensor is only guaranteed for 2 years.

Covered : - Repair parts and labour; or replacement of the product at the option of your supplier. Normal transportation charges to the purchaser are also covered.

Not covered : - Damage to the product which are the result of abuse, improper use or maintenance are not covered. Any other expenses, consequential damages, incidental expenses including damages to property are not covered. Transportation expenses to the customer are not covered.

To obtain warranty performance: - Include with the product your name, address, phone number, written description of the problem and proof of purchase date. Carefully package and return to your supplier.

This guarantee does not affect your statuary rights.

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