Carbon Monoxide Monitor
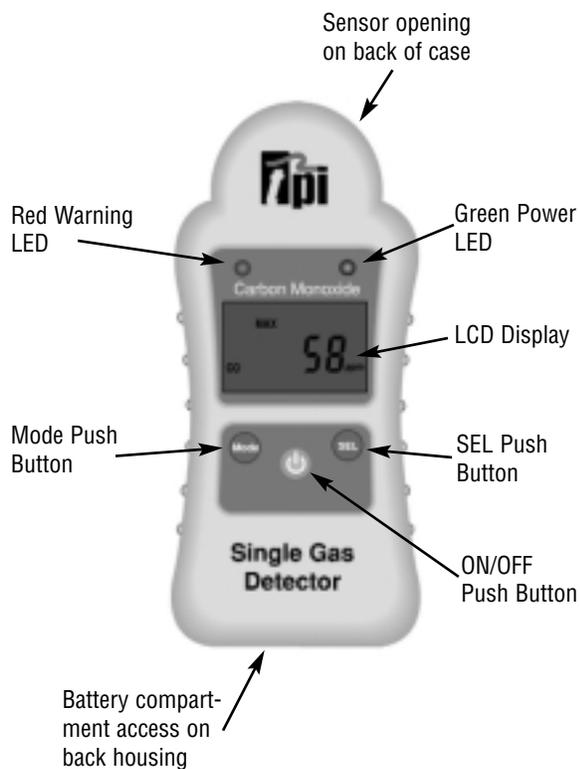## 770

The Value Leader™
www.tpi-thevalueleader.com

770 Features and Push Buttons

Sensor opening
on back of case

Red Warning
LED

Green Power
LED

LCD Display

Mode Push
Button

SEL Push
Button

ON/OFF
Push Button

Battery compart-
ment access on
back housing

CARBON MONOXIDE - SINGLE GAS MONITOR

Product Description

The 770 CO Single Gas Monitor is a state-of- the-art Carbon Monoxide Instrument designed to measure Carbon Monoxide in ambient air and to perform a carbon monoxide build up test . It has a measurement range of 0 to 999 ppm (parts per million) and displays the readings in 1ppm incre-ments. The unit features a personal audible and visual alarm, which is factory set at 30ppm CO but can be changed in the field to keep current with government legislation. Other features include: maximum reading hold, elapsed time and manual zero. The audible alarm may be switched on and off as required. Battery changing is made easy by use of a simple slide off battery compartment cover.

The detector uses an advanced electrochemical sensor that measures Carbon Monoxide and should not be used for any other purpose.

Note: This instrument meets the requirements of BS 7967
Calibration is required every 12 months

Specifications

Size:
Weight:
Sensor: 2 year life Electrochemical
Range: 0 to 999ppm (parts per million)
Accuracy: ± 3 ppm or 5% whichever is the greater.
Response Time: 90% of reading within 60 seconds.
Temperature:
Batteries: 2 x 1.5v size AA Alkaline .
Operating Time:

On/Off   Press the green power switch in order to turn the instrument on. All segments will be displayed for approximately 2 seconds. The screen will then display CO in ppm and the reading will rapidly count down to zero as the instrument stabilizes. The green power on indicator will be illuminated. To switch off, press the green power switch twice in quick succession.

Note: Always switch the instrument on in outside ambient air.

Mode   Pressing the Mode key scrolls through the functions: Record Maximum Reading**,** Elapsed Time, Alarm Setting, Audible Alarm, CO display.

Record Maximum Readings - displays the maximum CO reading in ppm since power on.

Elapsed Time - displays, in hours and minutes, the time elapsed since power on. Maximum reading is 99 hours 59 minutes (99:59)

Alarm Setting - displays the value that the personal audible and visual alarm is set at. Alarm is factory set at 30ppm CO. Audible Alarm - In this mode the

Audible Alarm can be switched on and off by pressing the SEL button.

SEL   **Manual Zero** - The instrument performs an auto zero at power on. If the instrument does not zero, a manual zero may be performed. With the CO display screen selected press and hold the SEL key for 2 seconds until a short beep is heard. The screen will display some changing symbols and after 5 seconds the instrument will zero and other beep will be heard.

Changing Alarm Setting - The 770 is set at the factory to 30ppm alarm level. With the instrument switched off press the On/Off key

and the SEL key at the same time until 'Set 1' is displayed. Press the On/Off key and the set alarm level will be displayed. The Mode key will increase the set alarm level and the SEL key will decrease it. Each key press will change the alarm level reading by 1 ppm. When the desired alarm level has been selected press the On/Off key to set the level and 'End' will flash on the screen. Press On/Off to return to the CO screen.

Other Features

. When the audible alarm is switched off a small 'double speaker' symbol will be displayed at the bottom left of the LCD. When the alarm setting is exceeded a 'warning' symbol is displayed at the bottom center of the screen and the red warning indicator is illuminated. As the battery level approaches 2 volts a 'BAT' warning symbol is displayed to indicate low battery level. When the battery level gets too low the unit will automatically switch off.

Battery Replacement

Locate the battery compartment on the rear of the unit. Place thumb on the battery compartment cover and press and slide down cover to remove. Replace batteries and slide cover back into place.

Warranty

Your CO detector is warranted to be free from defects for a period of 3 years. The Electrochemical sensor is guaranteed for 2 years. This warranty covers normal use and does not over damage which occurs from tampering, accident, misuse or neglect. Instruments out of warranty will be repaired for a service charge. Return the unit postpaid and insured to:

Test Products International, Inc.
9615 SW Allen Blvd.
Beaverton OR 97005
(503) 520 9197

This warranty gives you specific legal rights and you may also have other right which vary from state to state.

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770 Instruction Manual

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Beaverton, OR 97005-4814 USA