





























The basic simplicity, durable construction and design of the Model 102 has resulted in the elimination of problem areas associated with many other measurement techniques in portable analyzers.

## APPLICATIONS

### EC

Safety Monitoring  
Industrial Hygiene  
% O<sub>2</sub>  
ppm O<sub>2</sub>  
ppb O<sub>2</sub>  
Quality control  
Headspace  
Stack Gas Analysis  
Combustion performance- LEL/CO, LEL/O<sub>2</sub>  
Inexpensive Backup Analyzer

### CG

Confined Space- CG (LEL)/O<sub>2</sub>/CO/H<sub>2</sub>S  
Confined Space- CG (LEL)/O<sub>2</sub>/NH<sub>2</sub>/CH<sub>2</sub>O  
Confined Space- CG (LEL)/O<sub>2</sub>/NH<sub>2</sub>/C<sub>2</sub>H<sub>2</sub>  
Leak Detection- CG  
Combustion leaks- CG/CO (stack gas sensor) or CG/O<sub>2</sub> (stack gas sensor)

### TCD

Confined Space- TCD (LEL)/O<sub>2</sub>/CO/H<sub>2</sub>S  
Leak Detection- TCD (organics), He, H<sub>2</sub>  
Combustion leaks- LEL/CO  
Composition- of natural gas  
Combustion performance- LEL/CO, LEL/O<sub>2</sub>

### IR

Safety  
Industrial Hygiene  
Stacks  
CO<sub>2</sub> in ambient air  
CO<sub>2</sub> in process streams

## 7.0 CONTROLS & DATALOGGING

### CONTROLS

On/Off- Battery power

Incr-Function ON, scrolling menu up, increase number

Decr-Function OFF, scrolling menu down, decrease number

Bkl-Turns backlight on/off

Menus

#### LOG

Log Manual-

Set site #, and manually log each pt.

Auto- Set ave. time (sec) and samples/hr. to Autolog Site # 1-7000

Setup- Setup Auto; Ave. time sec., samples/hour Exit- Return to Run

#### CAL

Cal- Performs Autozero, set cal value, calibration

Bkg Zero- used to zero out background- can be shut off by turning off the 102 then turning it back on

Cal Gas- Select name of cal gas

Resp as- Once the 102 is calibrated-change to direct reading on any of > 250 compounds Alarm-

Alarm- Turn on/Off Alarm audible alarm

Exit- Return to Run mode

### DATA LOGGING

#### Datalogging

The portable analyzers have manual or automatic data logging capability for up to 7,000 points for 1-4 components. The software for data logging is included with the Model 102. IT uses Grapher Software for downloading the information for the 102. The Analyzer will automatically time and date stamp the data. To check the time see the Model 102+ Instruction Manual. A typical Auto data logging format is shown below: 102 Data:

	Date	Time		ppm
SP6	6/12/2002	15:02:27	7	1.7496
SP6	6/12/2002	15:03:27	7	1.6497
SP6	6/12/2002	15:04:27	7	1.6498
SP6	6/12/2002	15:05:27	7	1.6499
SP6	6/12/2002	15:06:27	7	1.6500
SP6	6/12/2002	15:07:27	7	1.6400

End Of Log Data

This data can be saved directly into Excel as a csv file.

