



## ***Upgradeable industrial emissions analyzer with heavy duty pump***



### **Functions**

- Measures O2 0 to 21%
- Measures CO 0 to 4,000 ppm (hydrogen compensated)
- Measures Differential pressure
- Measures Temperature - inlet/flue gas/differential
- Calculates CO2
- Calculates CO/CO2 ratio
- Calculates Excess air
- Calculates Combustion efficiency
- Choice of 2 additional sensors

### **Features**

- Infrared printer link w/ customized printer head
- Logs and stores 150 test results
- Long life battery
- Large character display
- High suction double headed pump
- Supplied with fluoroplastic lined flue probe
- 16.5" probe
- Fuel types: Natural gas, butane, propane, LPG, 28 sec oil, 35 sec oil, heavy fuel, solid fuel, user defined fuel
- 1-Year limited warranty

### **Applications**

- Installation, commissioning and service of industrial /commercial oil, gas or biomass appliances
- Safety checks - CO in a room or around appliance
- Combustion performance checks
- Combustion efficiency checks
- Flue draft





### Includes

- Analyzer
- Probe
- Charger
- Manual
- Calibration report
- Carrying case

### Specifications

| Parameter                   | Resolution | Accuracy               | Range                     |
|-----------------------------|------------|------------------------|---------------------------|
| Flue Temperature with probe | 1.0°F/C    | ±2.0°F/C, ±0.3% of rdg | 32° - 1112°F (0° - 600°C) |
| Inlet Temperature           | 0.1°F/C    | ±1.0°F/C, ±0.3% of rdg | 32° - 122°F (0° - 50°C)   |
| Pressure                    | 0.1 mbar   | ±2% of full scale      | ±150 mbar                 |

#### Gas Measurement\*1

|                                                              |        |                                                     |                |
|--------------------------------------------------------------|--------|-----------------------------------------------------|----------------|
| Oxygen (O2)                                                  | 0.001  | ±0.2%                                               | 0 - 21%        |
| Carbon Monoxide (CO)<br>(standard: H compensated) (optional) | 1 ppm  | ±20 ppm <400 ppm<br>±5% >5000 ppm<br>±10% <5000 ppm | 0 - 10,000 ppm |
| Carbon Monoxide (CO) (High range)<br>(optional)              | 0.0001 | ±5% reading from 0.1% to 10%                        | 0 ~ 10%        |
| Nitric Oxide (NO) (standard)(optional)                       | 1 ppm  | ±5 ppm <100 ppm<br>±5% >100 ppm                     | 0 - 5000 ppm   |
| Nitric Oxide (NO) (Low range)(optional)                      | 1 ppm  | ±2 ppm <30 ppm<br>±5 ppm <30 ppm                    | 0 ~ 100 ppm    |
| Nitrogen Dioxide (optional)                                  | 1 ppm  | ±5 ppm <100 ppm<br>±10 ppm <500 ppm<br>±5% >500 ppm | 0 ~ 1000 ppm   |
| Sulphur Dioxide (optional)                                   | 1 ppm  | ±5 ppm <100 ppm<br>±5% >100 ppm                     | 0 ~ 5000 ppm   |

#### Calculations

|                         |                                                                                                          |                                                                                 |                            |
|-------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------|
| Carbon Dioxide*2        | 0.001                                                                                                    | ±0.3% reading                                                                   | 0 ~ 99.9%                  |
| Losses                  | 0.001                                                                                                    | ±1.0% reading                                                                   | 0 ~ 99.9%                  |
| Efficiency              | 0.001                                                                                                    | ±1.0% reading                                                                   | 0 ~ 99.9%                  |
| Excess Air              | 0.001                                                                                                    | ±0.2%                                                                           | 0 ~ 2885.0%                |
| Temp (Nett)             | 1.0°C/F                                                                                                  | ±2°C ±0.3% reading                                                              | 32 ~ 1112°F<br>(0 ~ 600°C) |
| CO/CO2 Ratio            | 0.0001                                                                                                   | ±0.0001                                                                         | 0 ~ 0.9999                 |
| Poison Index            | 0.0001                                                                                                   | ±0.01                                                                           | 0 ~ 99.99                  |
| Preprogrammed fuels     | Natural Gas, Town Gas, Gascor, Light Oil, Heavy Oil, Propane,Butane, Anthrocite, Coke, Coal, Kinsale Gas |                                                                                 |                            |
| Dimensions:             | Weight                                                                                                   | 1 Kg                                                                            |                            |
|                         | Handset                                                                                                  | 220 x 55 x 120 mm                                                               |                            |
|                         | Probe                                                                                                    | (L) 420 x (Dia) 8mm with stainless steel shaft, K-type thermocouple and 3m hose |                            |
| Ambient operating range | 0°C to 45°C/10% to 90% RH non condensing                                                                 |                                                                                 |                            |
| Power supply            | Input: 110V AC / 220V AC nominal                                                                         |                                                                                 |                            |
| (Battery charger)       | Output: 12V AC off load                                                                                  |                                                                                 |                            |
| Battery life            | >6 hours from full charge                                                                                |                                                                                 |                            |

\* Toxic gas sensors need to be specified at time of purchase or may be added at a later time.

### Downloads



Data Sheet



Made in UK