



# SM70

## Gas Monitor & Controller

### Features

- Active sampling for improved accuracy
- Multiple outputs—analogue, serial, relay
- Large LCD 3.5 digit display
- Alarm or control modes
- Wall-mounting brackets
- Robust & compact
- Low maintenance

### Applications

- Ambient gas monitoring & control
- Health & safety alarm monitoring
- VOC solvent off-gas monitoring
- Indoor air quality monitoring
- Ozone generator control
- CO car park monitoring



### Specifications

Sensor type  
Sampling method  
Relay | Alarm modes (factory program)

Warm up time  
Display  
Relay set point  
Digital communication  
Analog output  
Relay outputs  
Relay switch rating  
Alarm option  
Power supply  
Operating environment  
Enclosure casing  
Enclosure rating  
Enclosure dimensions  
Weight  
Approvals

#### Gases and Ranges Available:

Ammonia 0-100 ppm | 0-1000 ppm  
Carbon dioxide \* 0-2000 ppm | 0-5000 ppm | 0-5.0%  
Carbon monoxide 0-100 ppm | 0-1000ppm  
Hydrogen 0-2000 ppm  
Hydrogen sulphide 0-10 ppm | 0-50 ppm  
Methane 0-10000 ppm

Gas Sensitive Semiconductor  
Active sampling via sensor fan  
AA – above set point | AB – below set point  
C10 – control  $\pm 10\%$  of set point  
3-10 minutes  
3.5 digit LCD  
User configurable  
RS 232 | RS 485 (protocols available on request)  
0-5V (8 bit)  
Normally Open | Normally Closed | Common  
Max 28V; 2A  
Piezoelectric 85db @ 30 cm  
12V DC (100-250V AC power adaptor supplied)  
-5 to 50°C | 5 to 95% RH (non condensing)  
Flame resistant thermoplast PS  
IP20 & NEMA 1 equivalent  
130 x 94 x 57 (mm) | 5 1/8 x 3 3/4 x 2 1/4 (in)  
<270g; 9.5oz (excludes AC power adaptor)  
Part 15 of FCC Rules  
EN 61000-6-3: 2001  
EN 61000-6-1: 2001



Refer to Sensor Specifications datasheet for more information

Non methane hydrocarbon 0-25 ppm | 0-500 ppm  
Ozone 0-0.15 ppm | 0-0.5 ppm | 0-10 ppm  
Perchloroethylene 0-200 ppm  
Sulphur dioxide 0-10 ppm | 0-100 ppm  
Volatile organic compounds 0-25 ppm | 0-500 ppm  
\* CO2 versions utilize NDIR sensor technology