



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