



SMARTSENSE[®] FIXED MONITOR

- Up to four different gases in one compact monitor
- additional analog / digital inputs
- Unique 360° Alarm[®]
- Auto adjustable backlight
- Programmable alarm set points
- Calibration record, Alarm history

FEATURES

The smartsense® fixed monitor SSFM-100 is an all in one gas monitoring station allowing for up to four integrated gas sensors into a compact package, with true flexibility and reliability for environmental monitoring.

The configurable multi gas, four channel high accuracy gas monitor with full range temperature compensation and its unique 360° Alarm® function is capable of monitoring any combination of gases and with the wide range of external inputs allowing for customer expansion.

The smartsense® fixed monitor SSFM-100 with its integrated controller functions as a black box storing critical information such as Calibration Record, Alarm History and Data logging for post-accident investigation.

Three fully programmable alarm set points for Alarm and Output controls along with Short Term Exposure Limit (STEL) and Time Weighted Average (TWA) limits displayed on the extra larger LCD display making it possible to view the reading from up to 5M away.

Auto-adjustable backlight makes it suitable for both underground and surface applications, with a wide range of mounting and connectivity accessories.

TECHNICAL DATA

ELECTRICAL PARAMETERS	
Power Supply	9 to 24Vdc - Non-IS 9 to 17Vdc IS
Current Consumption	<25mA @ 24Vdc <35mA @ 15Vdc
Operating Temperature	- 20 ~ + 40 °C
Humidity	90% Non-Condensing
IP Rating	IP67

GAS SENSING PARAMETERS	
Carbon Monoxide CO	0-50ppm 0-100ppm 0-500ppm 0-1000ppm
Oxygen O2	0-25%
Methane CH4	0-5% v/v 0-100% v/v
Carbon Dioxide	0-5% v/v
Additional Gase Available	Sulphur Dioxide SO2 Hydrogen Sulphide H2S Nitrogen Dioxide NO2 Temperature Humidity Air Velocity

INTERFACES	
Connectivity	RS485 Modbus
External Inputs	2 x Digital Input 1 x Analogue Input (4-20mA or 0.4 - 2Vdc)
External Outputs	2 x Independent Programmable Digital Output
Connectors	Quick Connectors or Glands

Technical data are limit values.

If the product is integrated into systems or operated in combination with other devices, its permissible operating values can deviate from these limit values. Subject to technical modifications without prior notice.