



SMARTSENSE[®] SINGLE GAS MONITOR TERMINAL MODULE WITH DISPLAY

- Low power colour display
- Modular architecture allows for monitoring expansion
- Optional Digital/Analog inputs and outputs
- Programmable alarm set points
- smartCal compatible
- Calibration and alarm history

FEATURES

The smartsense® Single Gas Monitor SSSG-100 is an all-in-one, customisable gas monitoring unit, reliable in all mining workplace environments.

The IS-designed smartsense® Single Gas Monitor Terminal Module with Display is easily, and quickly, connected to a Sensor Module to provide an environmental monitoring solution with an on-location user interface. Functionality can be further extended by adding up to a total of six hot-swappable Sensor Modules to provide a robust, multi-gas monitoring system.

The sensing capability of the Terminal Module with Display is provided with the addition of Sensor Modules, or a remote sensor. Mine safety can be further increased with the addition of a SSSG-100 Alarm Module.

The smartsense® Single Gas Monitor SSSG-100 Terminal Module with Display functions as a black box storing critical information such as Calibration Record, Alarm History and Data logging for post-accident investigation. This data may be accessed through RS485 Modbus. Alternately, a quick summary of real-time information, and selected configuration options, are available through the on-board display and user interface.

TECHNICAL DATA

ELECTRICAL PARAMETERS

Power Supply	10 to 24 Vdc
Current Consumption	<15.0 mA @ 24 Vdc <19.0 mA @ 15 Vdc <21.0 mA @ 12 Vdc <24.0 mA @ 10 Vdc
Operating Temperature	-20 °C to +40 °C
Humidity	90 % Non-condensing
IP Rating	IP66/67

INTERFACES

Connectivity	RS485 Modbus
External Inputs (optional)	2 x Digital Input 2 x Analog Input (4-20 mA or 0.4 - 2 Vdc)
External Outputs (optional)	2 x Independent Programmable Digital Output 2 x Analog Output

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.

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