

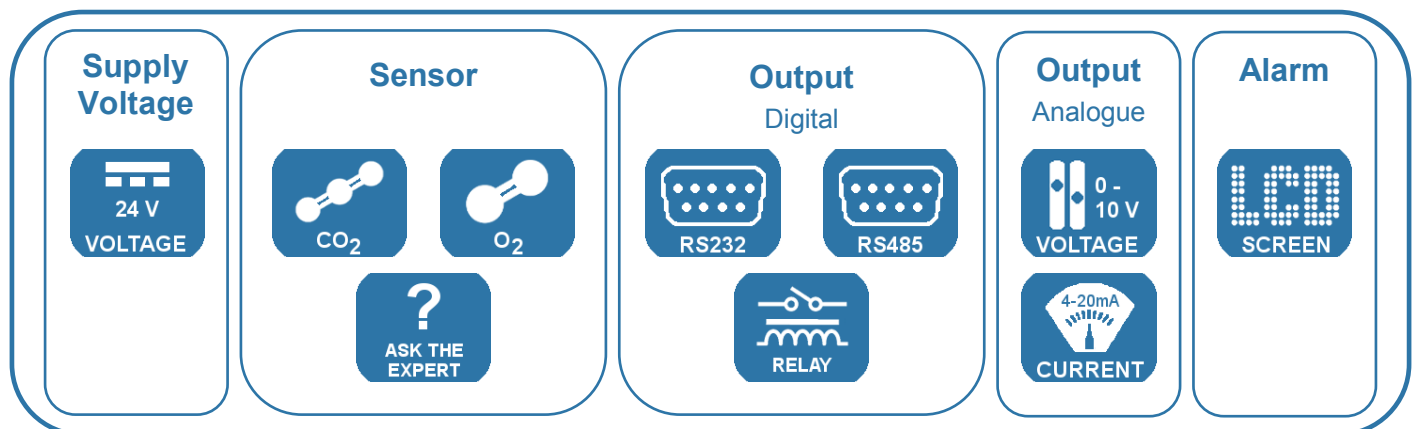
DATA SHEET

GASTRACK

Gas Analyser Probe (GAP)

FEATURES

- The GAP provides customers with a single gas flue or ventilation monitoring system
- Integrated LCD screen with soft-touch buttons⁽¹⁾
- Robust enclosure
- With its modular design, the GAP is fully configurable at time of ordering; select the sensor and output requirements to suit your needs:



APPLICATIONS

- Measuring O₂ in the exhaust of combustion applications
- Monitoring CO₂ and controlling the quality of air in ventilation applications

TECHNICAL SPECIFICATIONS

Sealing rating	IP65
Supply voltage	24V _{DC} ±10%
Current consumption	250mA maximum
Options:	
LCD screen	–on-board 16 character x 2 line
Sensor	–one O ₂ or CO ₂ ⁽¹⁾
Digital output	–one RS232 or RS485 (Modbus RTU)
Analogue output	–up to two 4–20mA; load 500Ω max. or 0–10V _{DC} ; load 10kΩ max.
Relay output	–up to two SPST normally open

SENSOR OPTIONS

	Zirconia O₂ sensor:	
	Measurement range ⁽²⁾	0–25%
	Accuracy	1% vol. O ₂
	Resolution	0.01% vol. O ₂

	NDIR CO₂ sensor:	
	Measurement range	0–5000ppm, 0–10000ppm
	Accuracy	±70ppm, ±5% of reading ⁽³⁾
	Resolution	1ppm

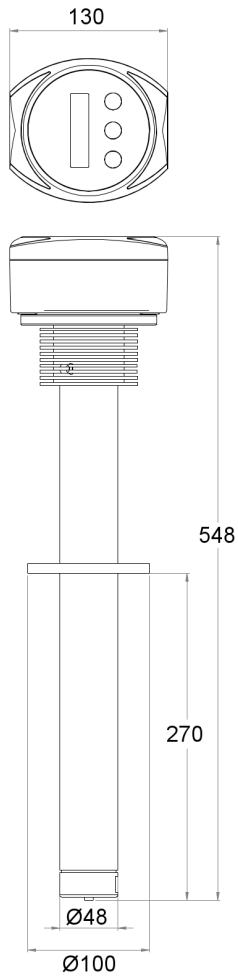
Refer to sensor data sheet for further information.



- 1) Other sensor options available on request; email technical@sstsensing.com.
- 2) Prolonged operation below 0.1% O₂ will damage the sensing element.
- 3) Whichever is greater.

OUTLINE DRAWING

All dimensions shown in mm. Tolerances = ± 1 mm.



ORDER INFORMATION

The GAP is fully configurable at the time of ordering; list the sensor and output requirements to suit your needs, for example:

- O₂ sensor, one relay, current output and an RS232 output
- CO₂ sensor, voltage output, RS485 output and two relays

Note: Refer to [Technical Specifications](#) overleaf for option quantity details.

OTHER PRODUCTS IN THE GASTRACK RANGE



Universal Gas Transmitter
PCB



Universal
Calibrator



Universal Gas Transmitter
Probe



Intelligent Transmitter /
Controller

WARNING!

Personal Injury

DO NOT use these products as safety or Emergency Stop devices or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in serious injury or death!

CAUTION

Do not exceed maximum ratings and ensure sensor(s) are operated in accordance with their requirements.

Carefully follow all wiring instructions. Incorrect wiring can cause permanent damage to the device.

Do NOT use chemical cleaning agents.

Failure to comply with these instructions may result in product damage.

INFORMATION

All sensors are tested at ambient environmental conditions unless otherwise stated. As customer applications are outside of SST Sensing Ltd.'s control, the information provided is given without legal responsibility. Customers should test under their own conditions to ensure that the equipment is suitable for their intended application.

General Note: SST Sensing Ltd. reserves the right to make changes to product specifications without notice or liability. All information is subject to SST Sensing Ltd.'s own data and considered accurate at time of going to print.