

DATA SHEET

GASTRACK

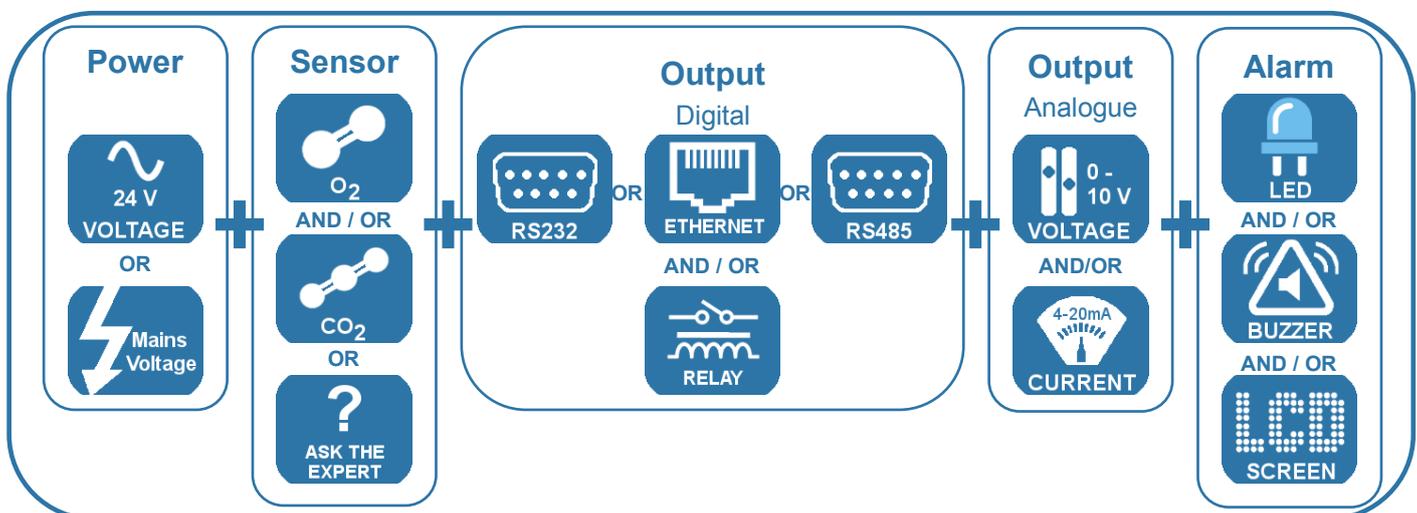
Intelligent Transmitter / Controller (ITC)

DRAFT

FEATURES



- The ITC provides customers with a single or dual gas monitoring system
- Optional integrated LCD screen with soft-touch buttons⁽¹⁾
- Compact, wall-mounted design
- With its modular design, the ITC is fully configurable at time of ordering; select the input voltage, sensor(s), and output requirements to suit your needs:



APPLICATIONS

Due to its versatility the ITC system is suitable for a variety of applications including laboratories, hotels, cellars, factories and other industrial facilities.

TECHNICAL SPECIFICATIONS

Weight	< 400 grams
Sealing rating	IP65
Options:	
Supply voltage	24V _{AC/DC} ±10%; current 250mA or AC mains; current 100mA max.
Sensors	–up to two O ₂ and CO ₂ ⁽²⁾
Analogue output	–up to two 4–20mA; load 500Ω max. 0–10V _{DC} ; load 10kΩ max.
Communications	–one Ethernet (TCP), RS232 or RS485 (Modbus RTU)
Relay outputs	–up to two SPST normally open
LCD screen	–on-board 16 character x 2 line ⁽¹⁾
Alarms	–visual LED; bi-colour —per sensor –audio Buzzer; 70dB at 4kHz

SENSOR OPTIONS

	O₂ sensor:	
	Measurement range ⁽³⁾	0–25%
	Accuracy	1% vol. O ₂
	Resolution	0.01% vol. O ₂

	CO₂ sensor:	
	Measurement range ⁽³⁾	0–5000ppm, 0–10000ppm
	Accuracy	±70ppm, ±5% of reading ⁽⁴⁾
	Resolution	1ppm

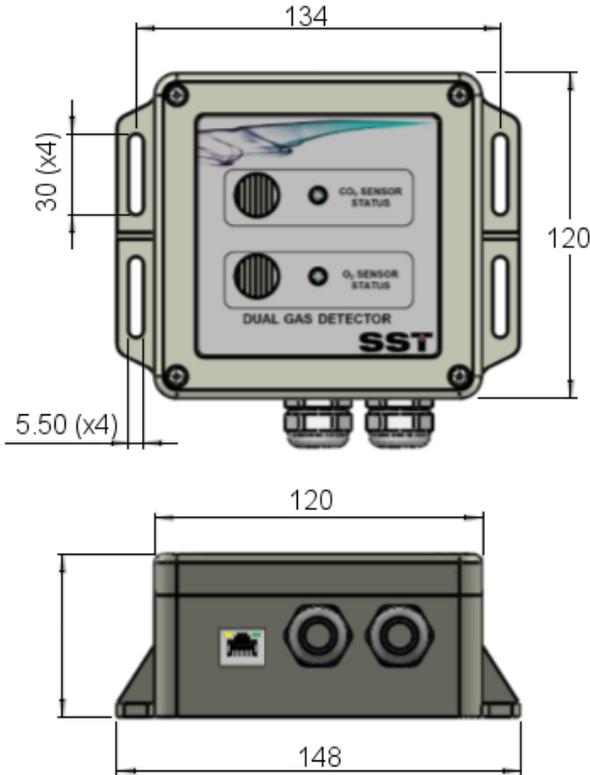


NOTES

- ¹⁾ The GASTRACK Universal Calibrator is also available separately.
- ²⁾ Other sensor options available on request.
- ³⁾ Prolonged operation below 0.1% O₂ will damage the sensing element.
- ⁴⁾ Whichever is greater.

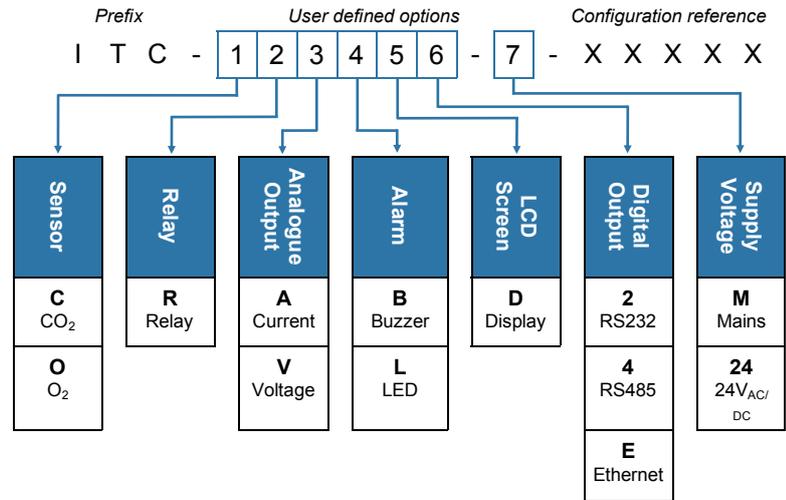
OUTLINE DRAWING

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



ORDER INFORMATION

Generate your specific part number using the convention shown below. Use only those letters and numbers that correspond to the sensor and output options you require — omit those you do not. Include the 'ITC' prefix.



Examples:

- O₂ sensor, one relay, one current output, one LED and an RS232 output → **ITC—ORAL2—M**
- CO₂ sensor, O₂ sensor, two relays, one current output, one voltage output, buzzer, two LEDs, LCD screen, RS485 output and Ethernet output → **ITC—CORRAVBLLD4E—24**

Notes:

- Refer to [Technical Specifications](#) overleaf for option quantity details.
- Leave the *Configuration reference* blank, this will be defined by SST Sensing Ltd. at the time of ordering.

OTHER PRODUCTS IN THE GASTRACK RANGE



Universal Gas Transmitter PCB



Universal Calibrator



Gas Analyser Probe



Universal Gas Transmitter Probe

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.