DATA SHEET
GASTRACK

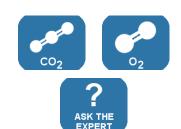## Universal Gas Transmitter (UGT) Probe

FEATURES

- The UGT probe provides customers with a single gas monitoring solution
- Compact, lightweight design
- Robust stainless steel enclosure
- With its modular design, the probe is fully configurable at time of ordering; select the sensor, output and connector requirements to suit your needs:

Supply Voltage	Sensor	Output Digital	Output Analogue
24 V VOLTAGE	CO_2 / O_2 / ? ASK THE EXPERT	RS232 / RS485 / PWM / RELAY	0 - 10 V VOLTAGE / 4-20mA CURRENT

APPLICATIONS

Designed for monitoring gas concentration in pipes and enclosed spaces

TECHNICAL SPECIFICATIONS

Construction	Stainless steel enclosure
Seal rating	IP65
Supply voltage	$24V_{DC}$ ±10%
Current consumption	250mA maximum

Options:

Sensor	–one	O_2 or CO_2[1]
Analogue output	–one	4—20mA; load 500Ω max. or 0—10V_{DC}; load 10kΩ max.
Digital output	–one	RS232 or RS485 (Modbus RTU)
Relay output		SPST normally open
Cable port		8-pin connector x M12[2]
Connector thread		5/8"–18 UNF[2]

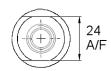**Note:** UGT supports one output; digital, analogue or relay.
PWM diagnostic output included with analogue and relay variants.

SENSOR OPTIONS

LuminOx O_2 sensor:

Measurement range	0—25%
Accuracy	1% vol. O_2
Resolution	0.01% vol. O_2

NDIR CO_2 sensor:

Measurement range	0—5,000ppm, 0—10,000ppm
Accuracy	±70ppm, ±5% of reading[3]
Resolution	1ppm

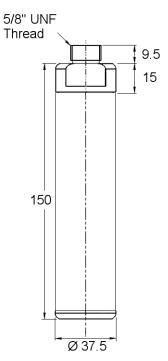Refer to sensor data sheet for further information.

NOTES

1) Other sensor options available on request; email technical@sstsensing.com.
2) Alternative connectors available on request.
3) Whichever is greater.

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⬓↕ OUTLINE DRAWING

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

24 A/F

5/8" UNF Thread

9.5
15

150

Ø 37.5

🛒✓ ORDER INFORMATION

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

- O_2 sensor with RS485 output
- CO_2 sensor, current output and PWM diagnostic output

Note: Refer to Technical Specifications overleaf for option quantity details.

OTHER PRODUCTS IN THE GASTRACK RANGE

Universal Gas Transmitter PCB

Universal Calibrator

Gas Analyser 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.

For technical assistance or advice, please email: technical@sstsensing.com

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.

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RoHS

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