

iTrans 2™ Stand-Alone

Ready-to-use gas detection solution

Ready to use

iTrans2: stand-alone gas transmitter
Pre-drilled installation base
Red LED flash light
Adjustable buzzer from 94 to 106 dB
Power supply 24 VDC or 110 / 240 VAC

Flexible installation

Single or dual detection head configuration
Up to 200 metres remote sensor
RS-485 Modbus digital output
Three- or four-wire connection

Large range of detection

Electrochemical cells for toxic gases detection
Catalytic cells for flammable gases detection
Infrared cell for the detection of CO₂

Easy to use

Intelligent sensor
Non-intrusive magnetic calibration
Large display with simultaneous display of one or both gases



Applications

- Laboratory
- Research centre
- Temporary works
- Water market
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Fixed Gas Detection

Specifications

Cells	Flammable gases : catalytic oxydation Oxygen and toxic gases: Electrochemical CO ₂ : Infrared
Response Time	T90: < 30 s (catalytic methane)
Warranty	Electronics : 2 years Infrared cells (CO ₂) : 3 years Catalytic cells (%LEL) : 2 years O ₂ , CO and H ₂ S cells : 18 months Other electrochemical cells : 12 months
Display	LED 4 digits
Temperature range (depends on cell type)	-25°C to +70°C (-13°F to +15°F)
Humidity range	10 to 90 % HR (non condensing)
Analog output	4-20 mA (source)
Digital output	RS-485 Modbus (9600 bauds)
Fault relay	SPST, NC 5A at 30 VDC or 30VAC (available for user)
Material	Epoxy resin-coated aluminium
Waterproof	NEMA 4X, IP65
Dimensions	215 x 165 x 129 mm (8,5" x 6,5" x 5,0")
Weight	3,15 kg (6,62 lbs)
Power supply	12-28 VCC or 240 VAC with charger (Optional)
Power consumption with flash and buzzer	200 mA to 24 VCC (electrochemical cell) 300 mA to 24 VCC (catalytic), peak 0,8 A (single gas) 220 mA to 24 VCC (infrared), peak 0,6 A (single gas) 400 mA to 24 VCC (combined catalytic/infrared), peak 1,2 A (two gases)
Wiring	3 or 4 wires, maximum loop resistance 15 ohms (configurations 3 wires), 10 ohms (configurations 4 wires)
Cable entry	1 cable entry 3/4 NPT Cable gland for power supply 100-240 VAC supplied
Certification	CE – display transmitter not for use in ATEX zones

Audible and visual alarms specifications

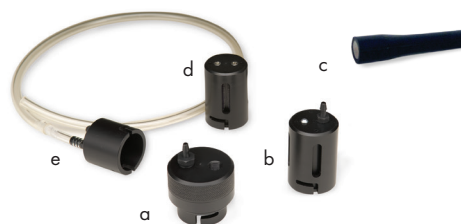
Buzzer	95 to 106 dB adjustable, 32 available sounds
Flash light	Red

Power supply specifications

Power supply	100 to 240 VAC, 50-60 Hz, 1A
Adapters	EU, UK, US and AUS

Accessories

	Part number	Code on drawing
Bypass/in-line kit	77014579	a
Splash guard/remote calibration cap for toxic, O ₂ and LEL gases	77015303	b
Magnet for calibration	77024065	c
Splash guard	77023588	d
Calibration cap	77023513	e



Gases and ranges available

10 – CO (0-999ppm)	●
20 – NO (0-999ppm)	●
31 – NH ₃ (0-500ppm)	●
41 – H ₂ S (0-500ppm)	●
52 – SO ₂ (0-100ppm)	●
62 – NO ₂ (0-100ppm)	●
72 – Cl ₂ (0-100ppm)	●
87 – ClO ₂ (0-1ppm)	●
94 – HCN (0-30ppm)	●
A4 – O ₂ (0-30%vol)	●
B2 – Méthane (0-100%LEL)	◆
C2 – Pentane (0-100%LEL)	◆
H2 – Hydrogène (0-100%LEL)	◆
D0 – CO/nul H ₂ (0-999ppm)	●
F4 – HCl (0-30ppm)	●
K7 – PH ₃ (0-1ppm)	●
L0 – H ₂ (0-999ppm)	●
VA – CO ₂ (0-5 %vol)	▲
W2 – CO ₂ (0-100 %vol)	▲
XB – CO ₂ (0-0.5 %vol)	▲

- = electrochemical
- ▲ = IR
- ◆ = catalytic

Teledyne Oldham Simtronics' quality assurance programs require continuous assessment and improvement of all our products. Therefore, the information in this leaflet may change without prior notification and should not be considered a product specification. If you require more details, please don't hesitate to contact Teledyne Oldham Simtronics or one of their representatives.



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