



IR Gas detector with flow house

Salwico GD10

Part no.	4250	Carbon dioxide 0-10 000 PPM
	4253	Propane 0-100% LEL
	4243-ME	Methane 0-100% VOL
	4253-ME	Methane 0-100% LEL

System: Salwico SW2020 gas sampling system

Description

The GD10 gas detector is a point detector for gas concentration monitoring potentially hazardous environments. GD10 with flow house is normally fitted inside the gas sampling analyzing unit.

The GD10 is based on infrared absorption. Solid state design improves reliability, long-term stability and accuracy in continuous measurement of gas concentrations in ambient air.

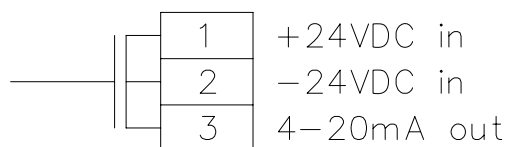
Compared with catalytic sensors the GD10 has the following advantages:

- Proven high reliability and long term stability results in low test frequency and no calibration costs
- Automatic self test
- Failure will not give gas alarm
- Presence of oxygen is not required for correct measurement
- No calibration or maintenance required during equipment lifetime
- Immunity to poisoning from H₂S, silicone and other agents
- No saturation effects from high gas concentrations
- The gas flow rate has no influence on accuracy
- Easily retrofitted into existing systems

Data

Detection method	IR-absorption, dual wavelength, dual path
Gases detected	Hydrocarbons
Nominal voltage	24 VDC
Working voltage	18-32 VDC
Power consumption	~3.5W
Start-up current	0.3A for 0.3 sec.
El connection	3 wires
Ingress protection	IP66 DIN 40050
Ex proof housing:	
-main compartment	EExd IIC T6
-terminal compartment	EExe
Expected lifetime	15 years
Humidity	99% RH non-condensing
Cable inlet	M20
Temperature range	-20°C to +55°C (operation) -40°C to +70°C (storage)
Material	Stainless steel SIS2343
Colour	Black/silver
Weight	~2.9 kg
Accuracy standard	Better than ±3% of full scale between 0-50% reading Better than ±5% of full scale between 50-100% reading
Response time standard	T90 = 6 sec.

Connection



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Dimensions (mm)

