



SCHAUENBURG

Electronic Technologies

Infrared Gas Detector

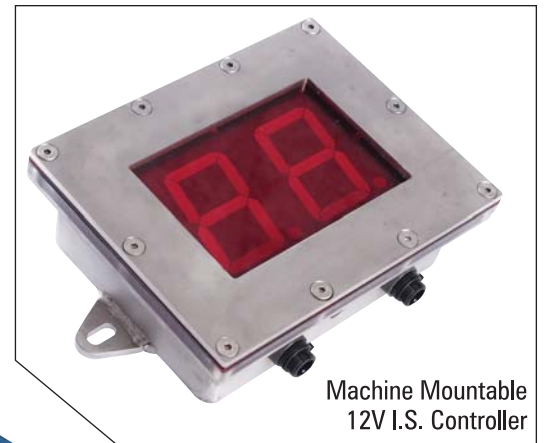
Introducing the ultimate in machine-mounted and remote flammable gas detection

The GD10P sensor features:

- No field recalibration
- No replacement of IR source
- No false gas alarms
- 1 second response time
- Utmost vibration and airflow immunity
- Suitable for both mobile and fixed installations
- Standard 4 - 20 mA output
- Proven technology



24V I.S. Controller



Machine Mountable
12V I.S. Controller

The GD10P protects life, property and the environment through consistent and reliable gas detection



06/08/R

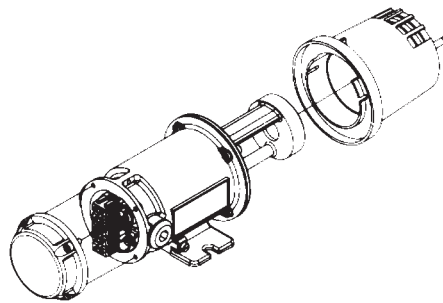
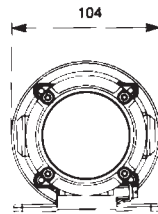
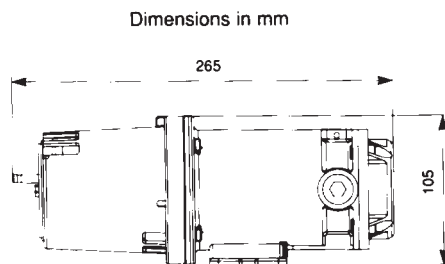
Harnessing technology for safer working environments



SCHAUENBURG

Electronic Technologies

GD10P Technical Data



General	Accessories
Detection range	0-100% LEL (0-5% vol.) methane
- Option	0-100% vol. Methane
Long term stability	Better than $\pm 5\%$ of full scale reading
Accuracy, standard	Better than $\pm 3\%$ of full scale between 50-100% reading
Response time, 1 sec.	T50 = 0.7 sec. T90 = 1.6 sec.
Start-up time	< 60 sec
Self-test	Continuous
Calibration	Factory set
Warranty	5 Years full guarantee
Output Signal	Current source 4-20mA, max. load impedance 500 Ω (Standard)
Sensor warnings:	
- Early clean optics	Dirt accumulation on windows
- Clean optics	Dirt accumulation on windows
- Sensor failure	Internal malfunction of sensor
Electrical	
Power supply	18-24 VDC 12 VDC GD10PM (Mining)
Power consumption	Approx. 3.5 W
Temperature range	
Storage	-40°C to +70°C
Operating	-40°C to +65°C
Humidity (operation)	99% RH non-condensing
Explosion Protection	Exd [ia] 1 SAEx M/04-275x
Enclosure	
Housing material	Stainless steel SIS 2343 (ASTM316)
Weight, incl. Weather Protection	Approx. 2.9 kg

Schauenburg Flexadux (Pty) Ltd

telephone: +27 (011) 974 0006
fax: +27 (011) 974 0077
email: sales@schauenburg.co.za
web: www.schauenburg.co.za

24/26 Spartan Road
Aeroport Ext. 21
Spartan
1619
South Africa

PO Box 145
Isando
1600
South Africa

06/08/R

Designed and marketed by:
Schauenburg Electronic Technologies
www.schauenburg.com