

TQ122-210 FLAMMABLE GAS SENSOR FLAMEPROOF (Exdb) ATEX APPROVED

FEATURES

- Robust stainless steel housing, makes these sensors suitable for hostile environments
- Stainless steel sintered flame arrestor
- Flameproof (Ex db)
No Zener barriers required
- Highly stable 6 monthly calibration interval
- Special versions available
Poison resistant, high temperature
- Simple design
Cost effective
- Ingress protection IP55



TQ122 shown with
optional junction box
Part No. 917-003D

The **TQ122-210** series is a range of flameproof (Exdb) flammable gas sensors, for use in zone 1 and zone 2 hazardous areas.

Utilising field proven electro-catalytic "pellistor" technology, the **TQ122-210** comprises of a detector and compensator elements in a Wheatstone bridge circuit.

The sensors are industry standard 3-wire devices.

Compatible with our full range of Point detector control panels.

OTHER FEATURES

- INGRESS PROTECTION IP55
- EASILY INSTALLED
M20 thread into certified Junction box
- FAST RESPONSE with good life expectancy
- RANGE OF ACCESSORIES
Collector cones, flow adaptors, test pipe adaptors etc.

TQ Environmental Limited, operate a policy of continual product development which means the specification is subject to change without prior notice.

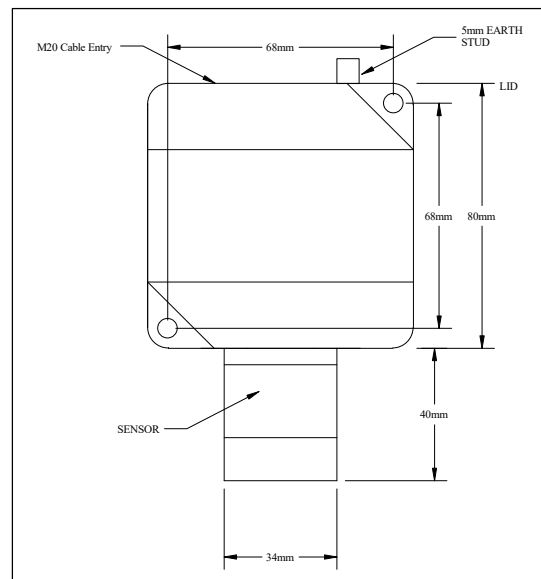
For full assistance with your application contact TQ Environmental Limited.



Cert No. LRQ 0958602
TQ122Flam-D7-0922

SPECIFICATION

Operating Range	0-100% LEL flammable gas/vapour
Dimensions	Body: 50mm x 50mm diameter Thread: 20mm x M20
Weight	540 g (Excluding Junction Box)
Sensor Type	Catalytic pellistor
Operating Voltage	2.0 +/- 0.1 dc
Sensor T90 Response	<15 seconds
Repeatability	1% of signal
Operating Pressure	900-1100 mbar
Operating Temperature	-20°C to 40°C non condensing
Humidity	0-99% RH non condensing
Construction	316 Stainless Steel
Protection Category	IP55
Certification Marking	II 2G Ex db IIC T5 (Ta= -20°C to +40°C) Ex db IIC T6 (Ta= -20°C to +30°C))
Certificate No.	CSAE 21UKEX1340X Sira 03ATEX1304X
Cabling	3-wire (1.5mm ² SWA)



PARTS LIST

122-210	0-100% LEL sensors poison resistant
122-211	0-100% LEL Petrol Vapour
122-215	0-100% LEL Hydrogen
122-212	0-20% LEL Ammonia
Other equipment available on request	
122-013	Gassing Cap and flow through adaptor
120-005	Collector Cone and adaptor
301-002	122 Weather protector
122-024	Deck Mounted st/st Weather Guard
122-010	Remote gassing adaptor
122-019	Duct mounting kit
917-003D	Ex e Junction Box.