

F6-F170 Gas Sensor

Remote fixed detector for flammable gases

Specification Sheet
ref C685A

TECHNICAL SPECIFICATION

Applications	Car parks, boiler/plant rooms, commercial/public buildings
Sensing Principle	Catalytic combustion - continuous diffusion
Classification	Certified flameproof - IECEx / ATEX Exd IIC T6 Gb Extb IIIC T85°C D6
Certificates	SIRA 08ATEX1313X IECEXSIR08.0123X
Operating Range	0-100%LEL
Operating Voltage	2.5v DC $\pm$ 0.25v
Operating Current	170mA $\pm$ 10mA
Housing Material	Stainless steel 316-S16
Dimensions	Body length 24mm Dia 20mm Thread length 19.2mm Distance across flats 22mm
Thread	20mm 1.5mm pitch options: 25mm 1.5mm pitch, 3/4 NPT-14, customer specification
Weight	35 grams
Lead Length	120mm - other options

PERFORMANCE DATA

Sensitivity	>20mV/1% Methane
Zero Stability	$\leq \pm$ 8% FSD/year
Response Time T90	<10 seconds to 1% Methane
Ingress protection	IP63 + weather shield IP64
Operating Life	>5 years clean environment
Humidity	0-95% RH non-condensing

GENERAL

Part No.	001-401
Design Patent.	UK - No. 3023846
Others pending	EU - No. 000546007-0001
Junction Box Housings	Data sheet C389
Alarm Panels	Data sheet C320

ACCESSORIES

Weather Shield	Pt No. 003-061
Universal Fitting	Pt No. 003-064
Collector Cone & Universal Fitting	Pt No. 003-062
Flow Block	Pt No. 003-063



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