

Compur Statox 501 IR LC

Infrared detection of combustible gases



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The Statox 501 IR LC sensor head consists of an increased safety (Ex e) terminal box and a sensor with integrated electronics. The sensor operates with IR absorption principle. The supply voltage required is the same as for a catalytic sensor. Its signal output is also identical to a catalytic sensor, therefore it can be directly connected to the 501 Controller.

The important technical advantages of an infrared gas detector are now available for almost the same low price as a catalytic gas detector. The big advantage: As this product has the same energy requirements and signal output as common gas detection systems, the Statox 501 IR LC can be used to upgrade existing systems wherever the catalytic sensor did not do the job.

The Statox 501 IR LC it is a reasonable alternative to catalytic sensors wherever gas detection equipment is used to monitor hydrocarbons. The standard ex works calibration is Methane.

Technical data

Detectable gases	Hydrocarbons
Measuring range	0 – 100 % L.E.L. Methane
Measuring principle	IR- absorption, NDIR 2-channel
Detection limit	2 % L.E.L. Methane
Response time	$t_{90} < 30$ s
Operating temperature	- 20 to + 60°C
Humidity	0 – 95 % r. H.
Pressure	700 – 1300 hPa
Power supply	3 - 5,0 V DC
Current consumption	app. 80 mA
Connection	3 –wire
Operation	with Statox 501 Controller or comparable supply
Weight	0,58 kg
Dimensions	110 x 130 x 60 mm HxWxD (4,3 x 5,1 x 2,4 in.)
Material	Die cast aluminum, coated
Protection class	IP 54
Ex approval	Ex de IIC T4



Statox 501 Controller

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