

Compur Statox 501 LC IR **Infrared Detection of Methane**



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The Statox 501 LC IR 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 Statox 503 Control Module.

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 LC IR can be used to upgrade existing systems wherever the catalytic sensor did not do the job.

The Statox 501 LC IR is a reasonable alternative to catalytic sensors wherever gas detection equipment is used to monitor hydrocarbons.

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 503 Control Module 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	Standard: Coated die cast aluminum Salt water proof version: Polyester
Protection class	Standard: IP 54, Polyester: IP 66
Ex approval	Ex db eb IIC T6 Gb



Statox 503 Control Module

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