

## **Compur Statox 501 LCIR CO<sub>2</sub>** **Infrared Detection of Carbon Dioxide**



## Compur Statox 501 LCIR CO<sub>2</sub>- Infrared Detection of Carbon Dioxide

The Statox 501 LCIR CO<sub>2</sub> sensor head consists of an increased safety (EEx 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 a 502 Control Module.

### Applications

CO<sub>2</sub> fertilization  
 Fermentation process  
 Quick freezing  
 Milling  
 Storage / silo inertization  
 Transportation  
 Packaging  
 Extraction  
 Pest control  
 CO<sub>2</sub> Cleaning  
 Fire extinguishing

### Technical data

Detectable gas	Carbon dioxide
Measuring range (MR)	0 –10 or 0 – 100 Vol.%
Measuring principle	IR- absorption, NDIR 2-channel
Detection limit (Vol.%)	0,2 (MR 10 Vol.%), 2 (MR 100 Vol.%)
Response time	t <sub>90</sub> < 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 502 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	Die cast aluminum, coated
Protection class	IP 54
Ex approval	Ex db eb IIC T6 Gb



Statox 502 Control Module

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