

O2 Mk9 Sensor (1142) for LogiCO2 Safety Systems



TECHNICAL DATA

Power supply:	24V DC
Operating Principle:	FB-optical
Measurement range:	0-25% O ₂ -concentration
Accuracy:	<2% FS
LED indications	
Green:	Operation
Yellow:	Fault
Red:	Alarm (<19,5% O ₂)
Sound indication	
Beeping:	Fault
Continuous:	Alarm
Ingress protection:	IP54
Dimensions (LxWxD)	90x161x38 mm 3.5"x6.3"x1.5"

FUNCTION

The optical LogiCO₂ oxygen sensor (O₂) has a built-in temperature and pressure adjustment. The oxygen sensor is factory calibrated and measures the ambient oxygen partial pressure (ppO₂) levels. The sensor benefits from low power operation and a long lifetime.

The O₂-sensor is compatible with LogiCO₂ Mk9 CO₂ Safety System. It communicates via Modbus RTU with the LogiCO₂ Mk9 Central unit and can be used together with the different LogiCO₂ CO₂ sensors. The unit is delivered together with a horn and strobe alarm device.

The O₂-sensor has a backlit display showing the current O₂ concentration and the uptime (measure of operating time) in hours.

APPROVALS

Standard(s) for Safety: UL 61010-1, 3rd Edition, May 11, 2012, Revised April 29 2016, CAN/CSA-C22.2 No. 61010-1-12, 3rd Edition, Revision dated April 29 2016.

Additional Standards: IEC 60529.

ORDERING EXAMPLE

Item code	Description
1142	O2 Mk9 Sensor without cable (Spare part)