

Temperature and oxygen sensor for ducts



- ▶ Specific probe for temperature and oxygen measurements in ducts
- ▶ Sensor for continuous monitoring. This is one important difference compared to the majority of sensors on the market
- ▶ Equipped with all the technical details made over time by LSI LASTEM in its long experience, started in 2003, in the measurements in industrial composting plants
- ▶ Robust sensor resistant to corrosive environments



Sensor specifically designed for continuous measurement of temperatures and oxygen in pipelines, which can be used in composting plants for monitoring the air forced in the ducts. High resistance to hostile environments.

Technical Features

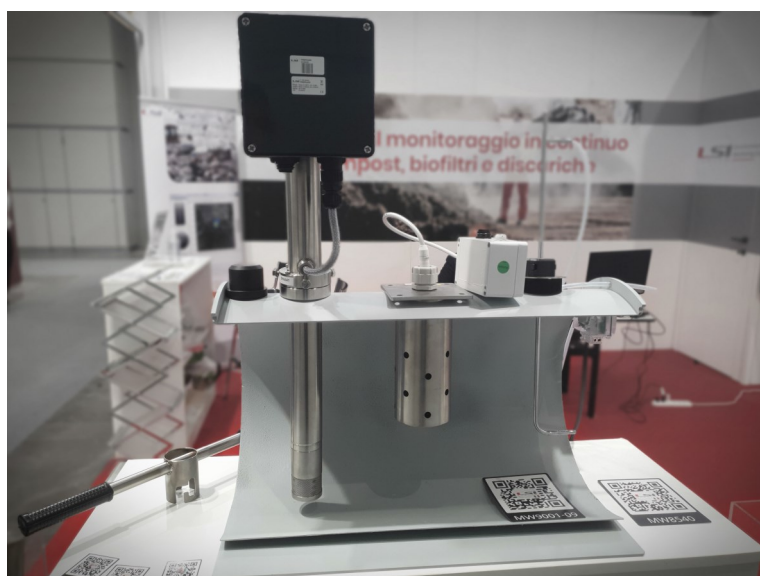
PN	PRMPA2400	
Technical features	Output	2x4...20 mA
	Power supply	9...30 V DC
	Consumption	< 0.4 W
	Power and output signal connector	Waterproof male connector compatible with DWA5xxA and DWA3xx cables
	Electrical protections	Against polarity inversions; electric discharges on the sensor and power supply line
Temperature	Principle	Pt100
	Measure range	-20...100 °C
	Accuracy	±0.5 °C @ T _{amb} =25 °C
	Resolution	0.03 °C
	Response time (T63)	80 s
	Operative temperature	-20...70 °C (sensor surface)
Oxygen	Principle	Electrochemical cell
	Measure range	0...25%
	Accuracy	0.3%
	Resolution	0.01%
	Response time (T63)	40 s
	Deriva lungo termine	<10% signal/year
	Vita della cella	3...4 months (T<50 °C), replaceable by the user
	Calibration	Executable by the user
	Operative temperature	-20...50 °C (sensor surface)

General information	Protection grade	IP66
	Dimensions	See scheme "Dimensions" (mm)
	Weight	5 kg
	Material	Electronic box: reinforced polyester Stem: AISI304
	Mounting	Inserted vertically into a hole on the duct using the DYA341 accessory
	Data-logger compatibility	E-Log, A-Log (with ALIEM module)

Accessories

	DWA310	Reinforced cable L= 10 m
	DWA325	Reinforced cable L= 25 m
	DWA326	Reinforced cable L= 50 m
	DWA327	Reinforced cable L= 100 m
	DWA505A	Cable L= 5 m
	DWA510A	Cable L= 10 m
	DWA525A	Cable L= 25 m
	DWA526A	Cable L= 50 m
	DWA527A	Cable L= 100 m
	DYA341	Accessory for PRMPA2400 mounting to ducts
	ML3391.R	O ₂ cell (spare part)

Dimensions



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