



# TecSGA MAP O<sub>2</sub>

## MAP Analyzer O2



- Optochemical O<sub>2</sub> sensor system for gaseous media
- Monitoring of oxygen concentration in shield gas processes
- Ensuring the highest joining quality by avoiding oxidation
- High flexibility due to compact design
- Immediate operational readiness, without warm-up time
- High measuring accuracy
- Easy to use due to factory calibration and built-in display
- Powered via USB
- Replaceable particulate filter

## Advantages

The low weight, easy handling and data available in digital form make the use of TecSGA MAP a routine process without high implementation costs. Low maintenance costs and long service intervals reduce operating costs.



## Application

- Food Packaging with modified gas atmosphere (MAP packaging)
- Head space of vials, cell culture vessels, infusion containers, syringes
- Micro-bioreactors



## Technical Specification

TS-System	TecSGA MAP	
Measurement range	0-5%	
	Range	Accuracy
	0,0-5%	± 2% Mev**
	0,5-2,5%	±3% Mv*
	2,5-5%	±5% Mv*
Resolution	0,001%	
Response time at 25°C/ 77°F	<150ms	
Pump flow max.	67 mL	
Temp. range Min./Max	-10°C/ +60°C	
	14°F/140°F	
Medium	Gas	
Life time of sensor spot (protective atmosphere; 0-40°C)	24 months	
Power supply	5V USB and LiPo battery	
Rechargeable battery lifetime	> 3h	
Data Interface	USB	
Temperature compensation	10-30°C	
	50-86 °F	
Display	OLED Display	
Protection	IP54	
Main service interval (Service including necessary retrofitting)	3 years	
Sensor cap replacement interval	2 years	
Warranty	1 Year ex works	

\*\*Mev = measured end value

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## Scope of delivery

- TecSGA MAP
- 1 USB-Cable
- 1 USB-Stick
  - Declaration of conformity
  - User Guide
- 12 septa
- 1 silicon tube plus adapters
- 2 Cannula 25/0.8
- 2 Particle filters
- 1 Hose adapter

