V3.4

TECSENSE
unique solutions in sensor technology

TecPen MAP –

Mobile device for determination of Oxygen in QC and Production processes

- Measurement of O_2 content in all closed and pierceable containers
- Optochemical O2 sensor system for gaseous media
- High flexibility due to handy design
- Suitable for very low gas volumes
- Easy to use due to factory calibration and built-in display
- Immediate operational readiness, without warm-up time
- High measuring accuracy
- Integrated memory & data transfer via USB
- Replaceable particulate filter
- Automatically 0-point adjustment with every single start

Advantages

The low weight, easy handling and product-related storage of the data available in digital form make the use of TecPen MAP a routine process without high implementation costs.

Application

- In food Packaging with modified gas atmosphere (MAP packaging)
- In the head space of vials, cell culture vessels, infusion containers, syringes
- In micro-bioreactors

Should not be used for

- Organic gases
- Corrosive gases

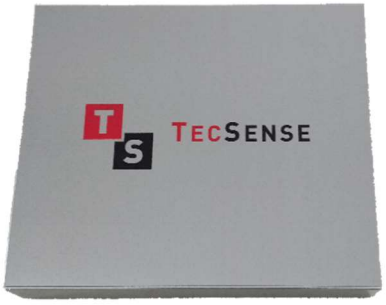
Technical Specification		
TS-System	**TecPen MAP O2**	
Measurement range	0-5%	
	Range 0-0,5% 0,5-2,5% 2,5-5%	**Accuracy** ± 2% Mev** ±3% Mv* ±5% Mv*
Resolution	0,001%	
Response time at 25°C/ 77°F	<150ms	
Pump flow max.	67 mL	
Temp. range Min./Max	-10°C/ +60°C	
	14°F/140°F	
Medium	Gas	
Life time of sensor spot (protective atmosphere; 0-40°C)	24 months	
Power supply	5V USB and LiPo battery	
Rechargeable battery lifetime	> 3h	
Data Interface	USB and Bluetooth 4.0	
Temperature compensation	10-30°C	
	50-86 °F	
Display	OLED Display	
Cleaning housing	no organic solvents, 40% EtOH	
Parts touching sample	St.1.4404/ PTFE/ Glass	
Case	aluminium anodized	
Protection	IP65	
Main service interval (Service including necessary retrofitting)	3 years	
Sensor cap replacement interval	2 years	
Recommended adjustment by customer	6 months	
Warranty	1 Year ex works	

**Mev = measured end value

*Mv = measured value

Scope of delivery

- TecPen MAP incl. case
- 1 USB-Cable
- 1 USB-Stick
  - Certificate of declaration
  - User Guide
- 1 pocket
- 12 septa
- 2 Cannula 25/0.8
- 2 Particle filters
- 1 Hose adapter



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