V1.3

TECSENSE
unique solutions in sensor technology

TecPen Dot –

Mobile device for non-invasive determination of Oxygen in MAP-packages

Non-invasive determination of residual oxygen
- No waste of food
- Reduction of plastic packaging waste
- Cost reduction
- Highest quality assurance for the customer
- Easy handling
- Can be used everywhere
- Time and date stamp for each individual measurement
- Effortless traceability of the measurements through ready-made recipes
- Integrated temperature sensor

Anpplication

- Incoming inspection at the acceptance of packed food in trade
- Random quality control during the packaging process
- Quality assurance in the production of insolating glas Non-invasive determination of residual oxygen in bioreactors

Technical Specification

TS-System	**TecPen Dot**	
Measurement range	0-5%	
	Range	Accuracy
	0-2%	±0,05% Mev*
	2-5%	±5% Mv*
Resolution	0,001%	
Responsetime at 25°C/ 77°F	<150ms	
Temp. range Min./Max	-10°C/ +60°C 14°F/140°F	
Medium	Gas	
Power supply	5V USB and LiPo battery	
Rechargable battery lifetime	> 3h	
Data Interface	USB	
Temperature compensation	10-30°C 50-86°F	
Display	OLED Display	
Cleaning	No organic solvents, 40% EtOH	
Parts touching sample	St.1.4404/ PTFE/ Glass	
Connection	USB/ Bluetooth 4.0	
Case	aluminum anodized	
Protection	IP65	
Main service interval (Service including necessary retrofitting)	3 years	
Sensor cap replacement interval	n.n	
Recommended adjustment by costumer	with every new batch	
Warranty	1 Year ex works Grambach	
**Mev = measured end value *Mv = measured value		

Scope of delivery

- TecPen DOT incl. case
- 1 USB-Cable
- 1 USB-Stick
  - User Guide
  - Declaration of conformity
- 300 pcs. Sensor dots 8mm
- TecPen leather bag

Contact: Teslastrasse 4, 8074 Grambach-Raaba, +43 (0) 676 48 02 430, sales@tecsense.com, www.tecsense.com