



TecSense GmbH,
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ABOUT TECSENSE

- Austrian-based specialist in precision gas analysis (O₂ / CO₂)
- 20+ years of expertise in O₂ and MAP measurement for beverage testing and food safety
- Mission: Deliver accurate, portable and affordable testing solutions
- Specialist in optical sensors
- Manufactured 100% in-house
- Patents are 100% owned





INTRODUCING TECSense TECPEN FLUID

Compact, portable handheld analyser Model:

- TecPen Fluid – dissolved oxygen in liquids
- Designed for portability, simplicity, and rapid measurement



High accuracy

Lab-grade precision in a handheld format

Fast response

Real-time results in seconds

Easy to use

Single-button operation, no training required

Low maintenance

Long sensor lifetime & low consumables

Multi-application

Food & beverage, pharmaceutical

TECHNICAL SPECIFICATIONS

Technical Specifications

TS-System
Measurement range
Resolution
Max. Pressure
Response time at 25°C/ 77°F
Temp. range Min./Max
Medium
Power supply
Rechargeable battery lifetime
Data Interface
Temperature compensation
Display
Cleaning housing
Cleaning sample line
Parts touching sample
Case
Protection
Main service interval (Service including necessary retrofitting)
Sensor cap replacement interval
Recommended adjustment by customer
Warranty

TecPen Fluid	
0 – 2000 ppb or 0-2 mg/L	
Range	Accuracy
0-200 ppb	± 2% Mev**
200-1000 ppb	±3% Mv*
1000-2000 ppb	±5% Mv*
1ppb or 0,001 mg/L	
5 bar	
<150 ms	
-10°C/ +60°C	
14°F/140°F	
Fluids	
5V USB and LiPo Akku	
> 3h per charge	
USB	
4-30°C	
39,2-86°F	
OLED Display	
No organic solvents, 40% EtOH	
Water, 40% EtOH, Mild detergends, no organic solvents	
St. 1.4404/PTFE/Glass	
aluminium anodized	
IP 65	
3 years	
1 year	
3 months	
1 Year ex works Grambach	

