



**TECSENSE**  
*unique solutions in sensor technology*



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# ABOUT TECSENSE

- Austrian-based specialist in precision gas analysis (O<sub>2</sub> / CO<sub>2</sub>)
- 20+ years of expertise in O<sub>2</sub> 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	TecPen Fluid
Measurement range	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	
Response time at 25°C/ 77°F	-10°C/ +60°C
Temp. range Min./Max	14°F/140°F
Medium	Fluids
Power supply	5V USB and LiPo Akku
Rechargeable battery lifetime	> 3h per charge
Data interface	USB
Temperature compensation	4-30°C
Display	39,2-86°F
Cleaning housing	OLED Display
Cleaning sample line	No organic solvents, 40% EtOH
Parts touching sample	Water, 40% EtOH, Mild detergents, no organic solvents
Case	St. 1.4404/PTFE/Glass
Protection	aluminium anodized
Main service interval (Service including necessary retrofitting)	IP 65
Sensor cap replacement interval	3 years
Recommended adjustment by customer	1 year
Warranty	3 months
	1 Year ex works Grambach

