

TecPen Fluid - Mobile device for determination of dissolved Oxygen in beverages for quality control



TecPen Fluid is a hand-held sensor system for determining the residual oxygen content in beverages such as beer, wine or soft drinks. It is attached directly to a sample outlet and rinsed with the beverage and measures thereby the residual oxygen content.



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*
Resolution	1ppb or 0,001 mg/L	
Max. Pressure	5 bar	
Response time at 25°C/ 77°F	<150 ms	
Temp. range Min./Max	-10°C/ +60°C	
	14°F/140°F	
Medium	Fluids	
Power supply	5V	
Rechargeable battery lifetime	> 3h	
Data Interface	USB and Bluetooth 4.0	
Temperature compensation	4-30°C	
	39,2-86°F	
Display	OLED Display	
Cleaning housing	No organic solvents, 40% EtOH	
Cleaning sample line	Water, 40% EtOH, Mild detergends, no organic solvents	
Parts touching sample	St. 1.4404/PTFE/Glass	
Case	aluminium anodized	
Protection	IP 65	
Main service interval (Service including necessary retrofitting)	3 years	
Sensor cap replacement interval	1 year	
Recommended adjustment by customer	3 months	
Warranty	1 Year ex works Grambach	

*Mv = measured value

**Mev = measured end value

Scope of delivery

- TecPen Fluid incl. Case
- 1m Hose 6mm outside diameter
- USB Cable
- USB Stick
 - Declaration of conformity
 - User Guide