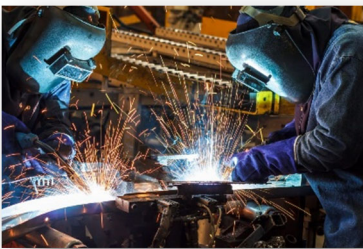


TecPen Weld Purge Monitor

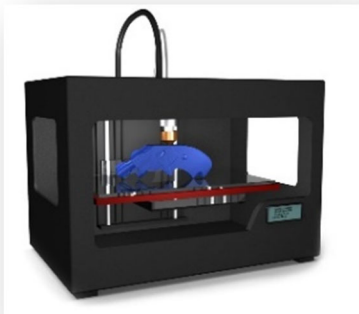
Optochemical Oxygen Sensor for
Measuring Trace Oxygen Levels

- Measures oxygen content remaining in purge gas in welding environments
- High flexibility due to compact 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
- Ensures the highest quality welding seams by avoiding oxidation
- High measuring accuracy
- Integrated memory & data transfer via USB
- Replaceable particulate filter
- Replaceable oxygen sensor cap lifespan: 2 years



APPLICATIONS

- Shielding gas control for high quality welding
- Automated soldering and welding
- Fused Filament Fabrication (FFF) 3D printing



Revision 5

SPECIFICATIONS

TS-System	TecPen Weld O2	
Measurement range	0-2000ppm	
	Range	Accuracy
	0-500 ppm	±2% Mev**
	500-1000 ppm	±3% Mv*
Resolution	1 ppm	
Response time at 25°C/ 77°F	<15s	
Pump flow max.	400mL/min	
Temp. range Min./Max	-10°C/ +60°C	
	14°F/140°F	
Medium	Gas	
Power supply	5V USB and LiPo battery	
Rechargeable battery lifetime	> 3 hours per charge	
Data Interface	USB	
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	
Full service interval by Manufacturer (includes necessary retrofitting)	3 years	
Life time of sensor cap (protective atmosphere under welding conditions; 0-60°C; with proper gas filtering)	24 months	
Sensor cap replacement interval	2 years	
Recommended zero-point adjustment interval by customer	6 months	
Warranty	1 Year ex works	

**Mev = measured end value

*Mv = measured value

TECPEN WELD INCLUDES

- TecPen Weld
- 1 USB-Cable
- 1 USB-Stick
- 1 Hose
- 1 lance
- 2 Particle filters

