

TecSGA O₂

Shield Gas Analyser O₂

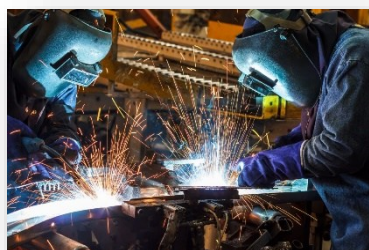


- Optochemical O₂ sensor system for gaseous media
- Monitoring of oxygen concentration in shield gas processes
- Ensuring the highest joining quality by avoiding oxidation
- High flexibility due to compact design
- Immediate operational readiness, without warm-up time
- High measuring accuracy
- Easy to use due to factory calibration and built-in display
- Powered via USB
- Replaceable particulate filter



Advantages for the user are the low weight, the immediate availability for measurements and simple handling. Data storage via computer. USB power supply via power bank or via computer.

The advantage for companies is a comprehensive and documented QC, which prevents or reduces product defects and complaints.



Application

- Shield gas measurement for high-quality welding applications
- Interface for soldering and welding machines
- 3D printing under exclusion of oxygen



Technical Specification		
TS-System		TecSGA O2
Measurement range	0-200ppm/indicative measurement to 2000ppm	
	Range	Accuracy
	0-200 ppm	±3% Mev**
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	
Life time of sensor spot (protective atmosphere under welding conditions; 0-60°C; with proper gas filtering)	24 months	
Power supply	5V USB and/or rechargeable battery	
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	IP54	
Main service interval recommended (Service including necessary retrofitting)	3 years	
Sensor cap replacement interval	2 years	
Warranty	1 Year ex works	

**Mev = measured end value

Scope of delivery

- TecSGA O₂
- 1 USB-Cable
- 1 USB-Stick
 - Declaration of conformity
 - User Guide
- 2 hoses
- 1 lance
- Particle filter plus spare filter
- 1 hose to lance adapter

