



# TecSGA O<sub>2</sub>

## Shield Gas Analyser O2



- Optochemical O<sub>2</sub> 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	
<b>Measurement range</b>		0-200ppm/indicative measurement to 2000ppm
	Range	Accuracy
	0-200 ppm	±3% Mev**
<b>Resolution</b>		1 ppm
<b>Response time at 25°C/ 77°F</b>		<15s
<b>Pump flow max.</b>		400mL/min
<b>Temp. range Min./Max</b>		-10°C/ +60°C
		14°F/140°F
<b>Medium</b>		Gas
<b>Life time of sensor spot (protective atmosphere under welding conditions; 0-60°C; with proper gas filtering)</b>		24 months
<b>Power supply</b>		5V USB and/or rechargeable battery
<b>Data Interface</b>		USB
<b>Temperature compensation</b>		10-30°C 50-86°F
<b>Display</b>		OLED Display
<b>Cleaning housing</b>		No organic solvents, 40% EtOH
<b>Parts touching sample</b>		St.1.4404 / PTFE / glass
<b>Case</b>		aluminium anodized
<b>Protection</b>		IP54
<b>Main service interval recommended (Service including necessary retrofitting)</b>		3 years
<b>Sensor cap replacement interval</b>		2 years
<b>Warranty</b>		1 Year ex works

\*\*Mev = measured end value

## Scope of delivery

- TecSGA O<sub>2</sub>
- 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

