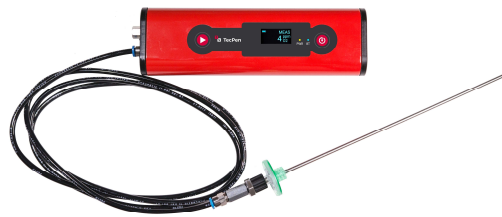




TecPen Weld

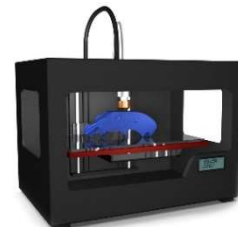
Optochemical O₂ sensorsystem for gaseous media



- Optochemical O₂ sensor system for gaseous media
- Monitoring of oxygen concentration in forming gases
- Ensuring the highest quality welding seams by avoiding oxidation
- High flexibility due to handy design
- Easy to use due to factory calibration and built-in display
- Immediate operational readiness, without warm-up time
- High measuring accuracy
- Integrated memory & data transfer via USB
- Replaceable particulate filter

Application

- Shielding gas control for high-quality welding applications
- Robust in soldering and welding machines
- 3D pressure under exclusion of oxygen





Technical Data

TS-System	TecPen Weld O2		TecPen Weld CO2
Measurement range	0-2000ppm		0-100% CO2
	Range	Accuracy	Accuracy
	0-500 ppm	2% MBE = ± 10 ppm	± 70 ppm $\pm 5\%$ of measured value
	500-1000 ppm	3% MBE = ± 30 ppm	(100% Range ± 300 ppm $\pm 5\%$ of measured value)
	1000-2000ppm	4% of measured value	
Resolution	0,05		0,05
Responsetime at 25°C	<15s		<1min
Pump flow	400mL/min		400mL/min
Max. Pressure			
Temp. range Min./Max	-10°C/ +120°C		-25°C/55°C
Medium	Gas		Gas
Power supply	5V USB and LiPo Accu		5V USB and LiPo Accu
Acculifetime	> 3h		> 3h
Data Interface	USB		USB
Temperature compensation	20 bis 60°C		25-60°C
Display	OLED Display		OLED Display
Cleaning	No organic solvents, 70% EtOH		No organic solvents, 70% EtOH
Parts touching sample	St.1.4404 / PTFE / glass		St.1.4404/ PTFE/ Glas
Connection	USB/ Bluetooth 4.0		USB/ Bluetooth 4.0
Case	aluminium anodized		aluminium anodized
Protection	IP68		IP68
Delivery	Sensor (calibrated)		Sensor (calibrated)
Guarantee	1 Year ex works Grambach		1 Year ex works Grambach