

## TECWELD O<sub>2</sub> + CO<sub>2</sub> WELD PURGE MONITOR



### Accuracy, Precision, and Sensitivity Matters.

The TecPen Oxygen and Carbon Dioxide Weld Purge Monitor is designed to provide accurate measurements down to 0% oxygen and up to 100% carbon dioxide when back purging with argon and CO<sub>2</sub> gas mix during welding. This portable O<sub>2</sub> and CO<sub>2</sub> analyzer will verify that there is no oxygen during argon back purging for TIG welding, or argon CO<sub>2</sub> blend for MIG welding.

### Features

- Provides accurate measurements down to 0% O<sub>2</sub>
- Measures CO<sub>2</sub> levels up to 100%
- Prevents welding defects
- Can be used immediately, does not require warm-up time
- Data logging capabilities with USB transfer for Quality Control/Inspection
- Ideal for MIG/TIG welders and industrial applications or environments

### Applications



**Welding**



**Fabrication**



**Industrial**



**Analysis**

# TECHNICAL DATA

## TecWeld O2 + CO2 Weld Purge Monitor

	Oxygen		Carbon Dioxide
<b>Measurement Range</b>	0 – 2000 ppm		0-100% CO2
<b>Accuracy</b>	<b>Range</b>	<b>Accuracy</b>	+/- 5% Mv*
	0-500 ppm	±2% Mev**	
	500-1000 ppm	±3% Mv*	
<b>Resolution</b>	1000-2000 ppm		0.01%
	1 ppm		
<b>Response time at 25°C/ 77°F</b>	<15 sec		<1min
<b>Temp. range Min./Max:</b>	-10°C/ +60°C		-25°C/55°C
	14°F/140°F		
<b>Power supply:</b>	5V USB and LiPo Battery		5V USB and LiPo Battery
<b>Rechargeable battery lifetime:</b>	> 3h per charge		> 3h per charge
<b>Data Interface:</b>	USB		
<b>Temperature compensation:</b>	10-30°C		25-60°C
	50-86°F		
<b>Display:</b>	OLED Display		OLED Display
<b>Case:</b>	Anodized aluminum		Anodized aluminum
<b>Case with Device Weight:</b>	2.45 lbs.		2.45 lbs.
<b>Case Dimensions:</b>	12 x 11 x 3.25 inches		12 x 11 x 3.25 inches
<b>Device Weight:</b>	0.50 lbs.		0.50 lbs.
<b>Device Dimensions:</b>	7 x 2 x 1 inch		7 x 2 x 1 inch
<b>Protection class:</b>	IP 65		IP 65
<b>Main service interval (Service including necessary retrofitting):</b>	3 years		

\*Mv = measured value

\*\*Mev = measured end value



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