

## OSC-8 PRO | PENDULUM OSCILLATOR WITH LED DISPLAY

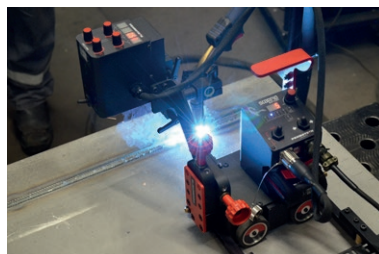
The OSC-8 PRO is a new generation pendulum oscillator with a built-in LED display and user-friendly pre-setting and control of four welding parameters: oscillation width, oscillation speed, right and left dwell times.

This is an ideal weave welding solution for many applications including: pipes, tubes, vessels, flanges, fittings, and much more.





Portable OSC-8 PRO pendulum oscillator can be combined with both track-mounted and trackless welding carriages, welding positioners, turning rolls, an existing welding system, such as a column and boom, or use it independently with the rugged freestanding supports.

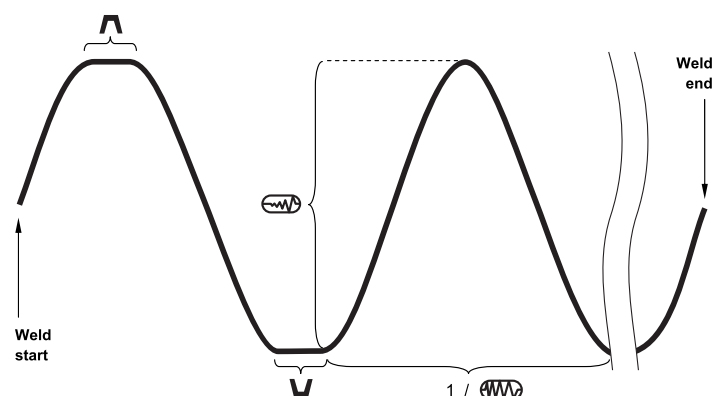
### Features & Benefits:

- Lightweight and compact design
- Four adjustable parameters: oscillation width, oscillation speed, oscillation dwell time on ends
- Triangle and trapezoid weld paths
- Ergonomic control panel with four knobs
- Digital LED display enables precise setting and reading of oscillation parameters; it also indicates the current status of the OSC-8 PRO and provides safety and diagnostic information
- Two control modes: manual and external start
- Can operate as a stand-alone unit or be part of more advanced welding systems configured with welding tractors, columns and booms, positioners, gantry systems, etc.



## ■ Oscillation parameters:

Parameter	Value	Description
	3-99%	Oscillation width
	0-99% (where 0%=5s, 99%=0.2s) 0.2-5 s	Oscillation speed
	0-5 s [step: 0.1]	Oscillation dwell time in right position
	0-5 s [step: 0.1]	Oscillation dwell time in left position



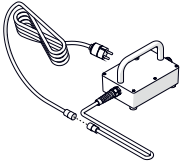
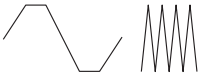
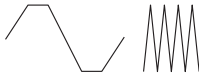
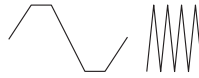

## ■ Troubleshooting:

The multi-functional LED display not only shows the oscillation parameters, but also indicates the current status of the OSC-8 PRO and provides safety and diagnostic information.

Message	Problem	Solution
5 1'1-3-7	Displays not fully on after powering	Contact service center for check and repair
06 Set 0	Control switch not set to center position when powering	Set the control switch to the center position
01Lo Vol	Power source voltage too low	Reconnect the oscillator to the power source
02Hi Vol	Power source voltage too high	Reconnect the oscillator to the power source
03Sensor	Optical sensor error	Contact service center for check and repair
04 driver	Driver error	Contact service center for check and repair
05 EEPROM	Memory error. The set parameters were not saved.	Contact service center for check and repair
07 SLEEP	The oscillator got into power-saving mode	Press or turn any knob
08 CAN	CAN connection error	Unplug the machine from the power source. Reconnect the oscillator to the machine.

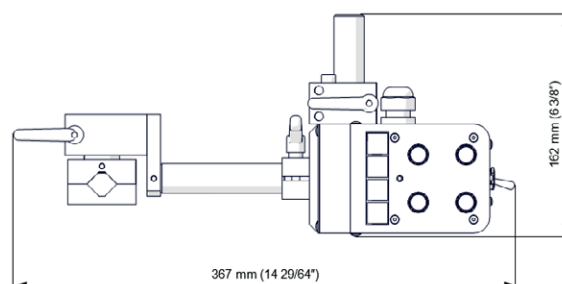
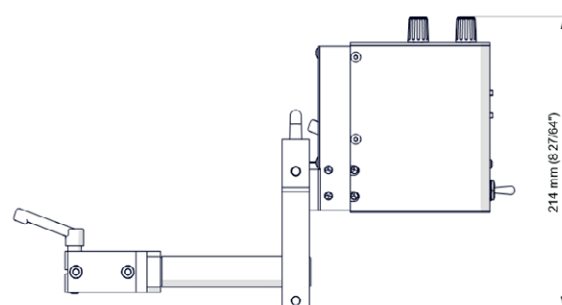
## ■ OSC-8 PRO configurations at glance:

The OSC-8 PRO can be used in conjunction with a range of external equipment to create more advanced welding systems with a variety of power supplies, available operating modes and achievable weld paths (see table below).

	<b>GECKO</b> <b>RAIL BULL</b> <b>RAIL TUG</b> Freestanding supports <b>PRO-WP 150</b> <b>PRO-WP 300</b> <b>PRO-WP 300P</b> <b>PRO-WP 750P</b>	<b>GECKO BATTERY 2</b> <b>RAIL TITAN</b> <b>RAIL TITAN 2</b> <b>WA Compact</b> Mini C&B System (SWSO)	<b>SCORPIO BATTERY</b>
Power supply method			
	External Power Supply 	Directly from oscillation socket of the machine	Directly from oscillation socket of the Scorpio Battery
MANUAL operation mode			
Oscillator settings:	MANUAL	MANUAL	MANUAL
Communication with the machine:	NO	NO	NO
Weld paths:	TRAPEZOID and TRIANGLE 	TRAPEZOID and TRIANGLE 	TRAPEZOID and TRIANGLE 
EXTERNAL operation mode			
Oscillator settings:	N/A	N/A	MANUAL
Communication with the machine:	N/A	N/A	YES (start/stop of both tractor & oscillator)
Weld paths:	N/A	N/A	TRIANGLE and TRIANGLE with dwell times at both ends 

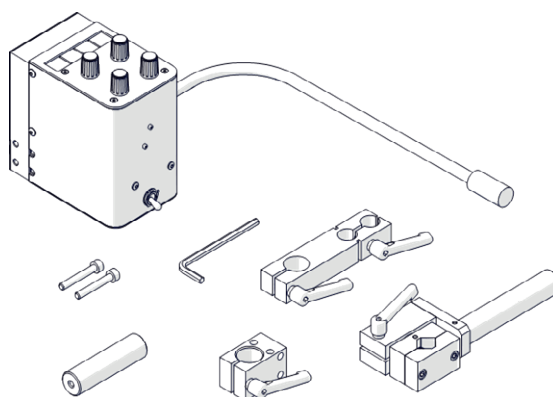
## Technical specification:

OSC-8 PRO TECHNICAL SPECIFICATION	
Voltage	14-24 V DC
Power	50 W
Torch type	MIG/MAG
Torch diameter	16-22 mm (5/8"-55/64")
Oscillation type	Angular
Oscillation width at r=150 mm (5 29/32")	1-30 mm; 3/64"-1 3/16" (3-99%)
Oscillation speed at oscillation width of 10 mm (3/8") and zero dwell time on ends	12-300 cycles/min
Dwell time on ends	0-5 s
Maximum torque	8 N·m
Protection level	IP 20
Protection class	I
Required ambient temperature	0-50°C (32-122°F)
Weight	2.1 kg (4.6 lbs)
Product code:	OSC-0799-10-00-00-0



## Standard shipping set:

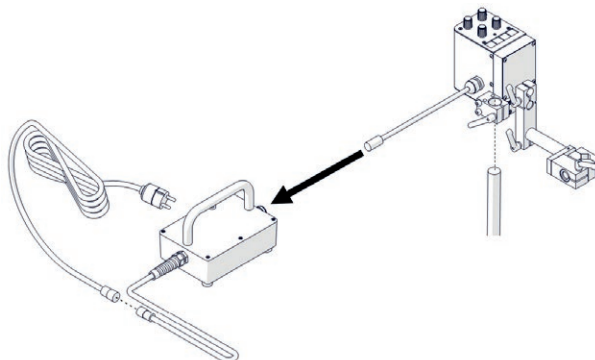
- Oscillator
- 5 mm hex wrench
- Arm
- Low rod torch holder with clip
- Clamping block
- M6x40 screw 2 pcs
- 80 mm (3 5/32") rod
- Operator's Manual



## Optional Power Supply:

Product codes:

- ZSL-0720-03-00-05-0 (230V)
- ZSL-0720-03-00-04-0 (230 V, India type D)
- ZSL-0720-03-00-03-0 (230 V, UK type G)
- ZSL-0720-03-00-02-0 (230 V, Australia)
- ZSL-0720-03-00-01-0 (115 V)



More information at [www.promotech.eu](http://www.promotech.eu)



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