

STEELBEAST®

OSC-8 PRO

PENDULUM OSCILLATOR WITH LED DISPLAY

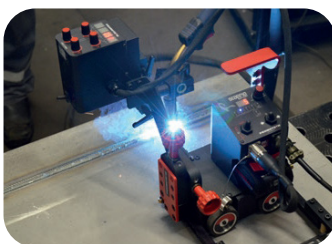
The **OSC-8 PRO** is a next-generation pendulum oscillator featuring a built-in LED display and intuitive control for four key welding parameters: oscillation width, oscillation speed, and left/right dwell times.

Ideal for weave welding applications on pipes, tubes, vessels, flanges, fittings, and more.

The portable OSC-8 PRO can be used with track-mounted or trackless welding carriages, positioners, turning rolls, existing systems such as column and boom setups, or independently with rugged freestanding supports.

Features and benefits:

- **Lightweight and compact** design for easy handling.
- **Four adjustable parameters:** oscillation width, speed, and dwell time at ends.
- **Triangle and trapezoid** weld paths for versatile applications.
- **Ergonomic control panel** with four intuitive knobs.
- **Digital LED display** for precise parameter setting, status monitoring, and diagnostic/safety info.
- **Two control modes:** manual or external start.
- **Flexible operation:** stand-alone or integrated with welding tractors, columns & booms, positioners, gantry systems, and more.



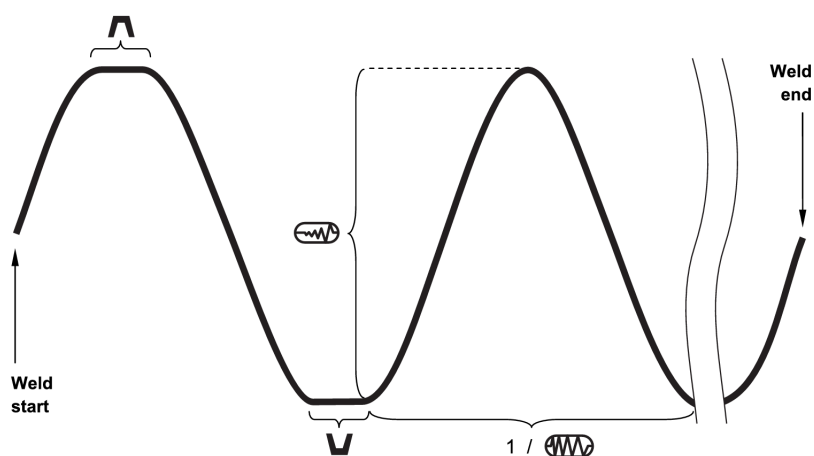
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Oscillation parameters:

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



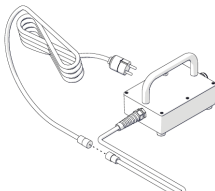
JEI Solutions

OSC-8 PRO CONFIGURATIONS AT A GLANCE:

The **OSC-8 PRO** can be integrated with various external equipment to create advanced welding systems, offering multiple power supply options, operating modes, and weld path configurations (see table below).

	GECKO RAIL BULL RAIL TUG FREESTANDING SUPPORTS: PRO-WP150 PROWP300 PPROWP50P PROWP750P	GECKO BATTERY RAIL TITAN RAIL TUG	SCORPIO BATTERY	RAIL TITAN WA COMPACT MINI C&B SYSTEM
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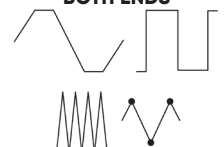
POWER SUPPLY METHOD:

	EXTERNAL POWER SUPPLY 	DIRECTLY FROM OSCILLATION SOCKET OF THE MACHINE	DIRECTLY FROM OSCILLATION SOCKET OF THE SCORPIO BATTERY	DIRECTLY FROM OSCILLATION SOCKET OF THE MACHINE
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MANUAL OPERATION MODE:

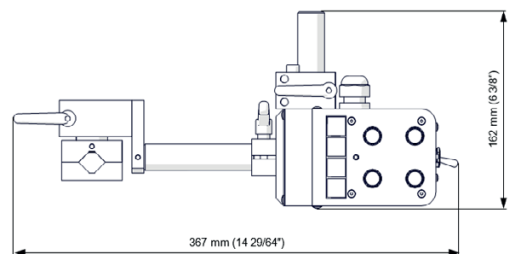
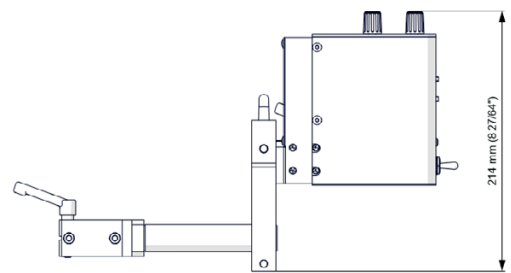
OSCILLATOR SETTINGS:	MANUAL	MANUAL	MANUAL	MANUAL
COMMUNICATION WITH THE MACHINE:	NO	NO	NO	NO
WELD PATHS:	TRAPEZOID & TRIANGLE 	TRAPEZOID & TRIANGLE 	TRAPEZOID & TRIANGLE 	TRAPEZOID & TRIANGLE 

EXTERNAL OPERATION MODE:

OSCILLATOR SETTINGS:	N/A	N/A	MANUAL	OPERATED VIA REMOTE CONTROL PENDANT
COMMUNICATION WITH THE MACHINE:	N/A	N/A	YES (START/STOP OF BOTH TRACTOR & OSCILLATOR)	YES
WELD PATHS:	N/A	N/A	TRIANGLE & TRIANGLE WITH DWELL TIMES AT BOTH ENDS 	TRAPEZOID, SQUARE, TRIANGLE & TRIANGLE WITH DWELL TIMES AT BOTH ENDS 

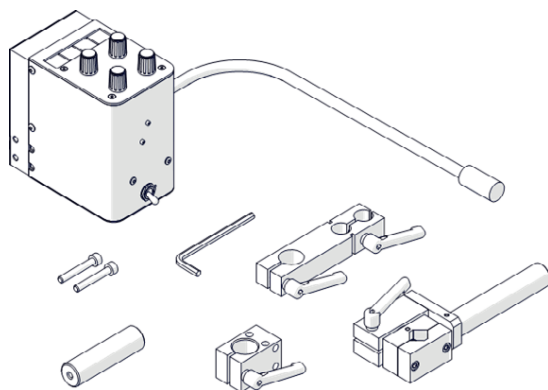
OSC-8 PRO TECHNICAL SPECIFICATIONS:

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)



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

