PROMOTECH®

smart tools for heavy tasks

FM 37982

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 tractors, 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:

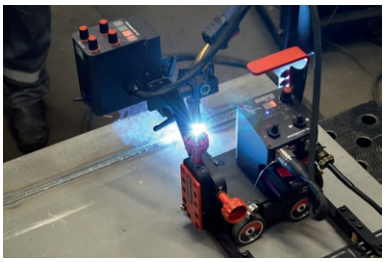
- Lightweight and compact design
- Four adjustable parameters: oscillation width, oscillation speed, oscillation dwell time on ends
- Triangle and trapezoid weld paths
- Ergonomic control panel with four knobs
- Digital LED display enables precise setting and reading of oscillation parameters; it also 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.

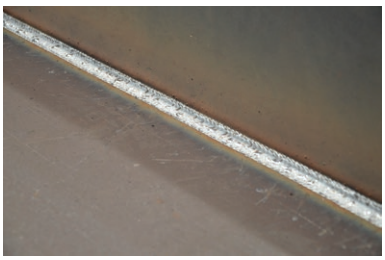






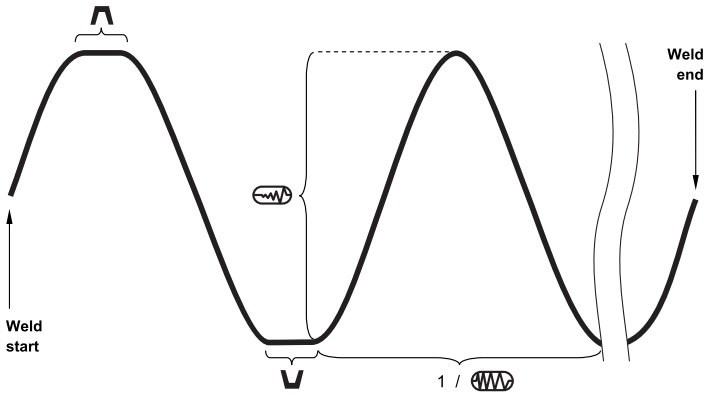




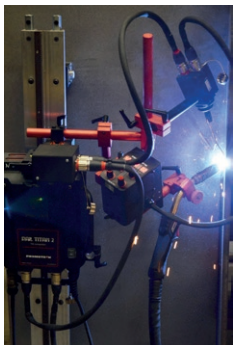
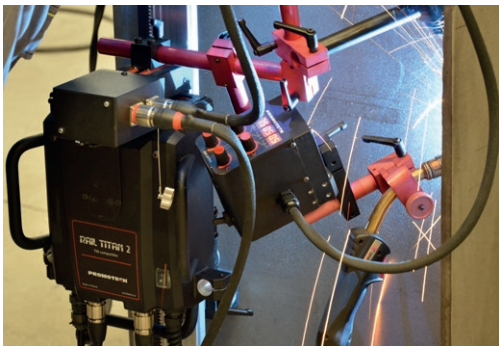
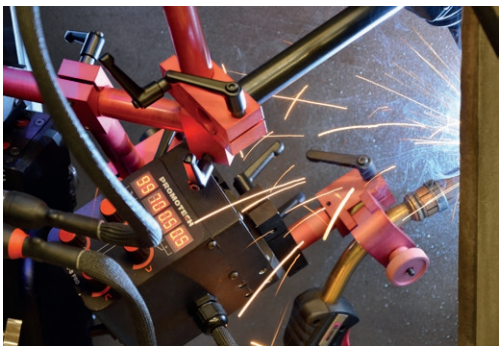


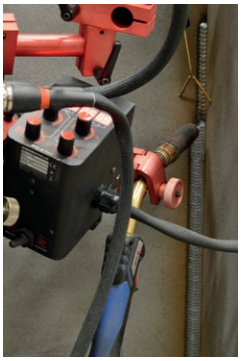
Oscillation parameters:

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



Applications:

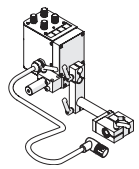
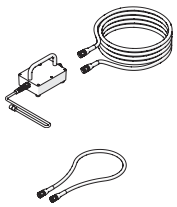
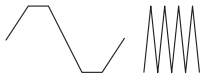
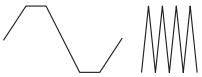
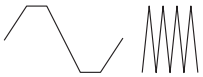
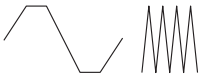
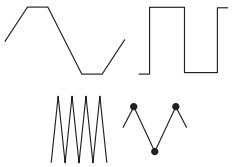






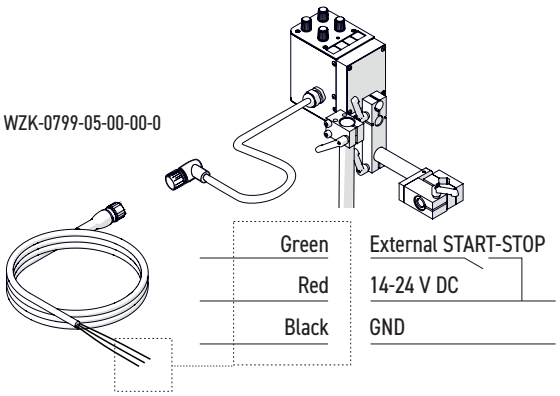



OSC-8 PRO configurations at glance:

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).

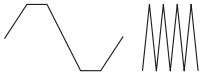
	**GECKO RAIL BULL RAIL TUG PRO-WP 150, PRO-WP 300 PRO-WP 300P, PRO-WP 750P Torch stands**	**GECKO Battery 2 RAIL TITAN**	**SCORPIO Battery**	**RAIL TITAN 2 WA Compact SWS0**
Power supply method				
	External Power Supply ZSL-0720-03-00-05-0 (230V, EU) ZSL-0720-03-00-04-0 (230 V, D) ZSL-0720-03-00-01-0 (115 V, US) PWD-0720-04-00-00-0 Cable connecting adapter 1 m for OSC-8 PRO	Directly from oscillation socket of the machine	Directly from oscillation socket of the SCORPIO Battery	Directly from oscillation socket of the machine
MANUAL operation mode				
Oscillator settings:	MANUAL	MANUAL	MANUAL	MANUAL
Communication with the machine:	NO	NO	NO	NO
Weld paths:	TRAPEZOID and TRIANGLE 	TRAPEZOID and TRIANGLE 	TRAPEZOID and TRIANGLE 	TRAPEZOID and TRIANGLE 
EXTERNAL operation mode				
Oscillator settings:	N/A	N/A	MANUAL	From remote control pendant of the machine
Communication with the machine:	N/A	N/A	YES (start/stop of both tractor & oscillator)	YES
Weld paths:	N/A	N/A	TRIANGLE and TRIANGLE with dwell times at both ends 	TRAPEZOID, SQUARE, TRIANGLE and TRIANGLE with dwell times at both ends 

OSC-8 PRO can be also integrated with external automation system:



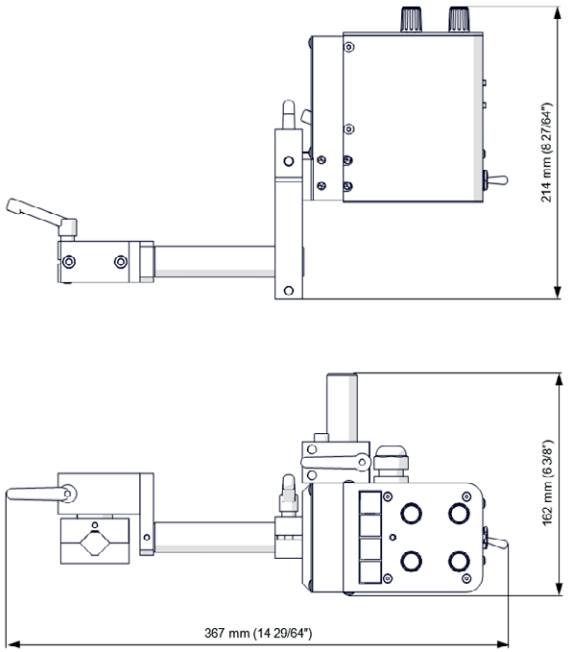
Product Code / Description	**Specification**
WZK-0799-05-00-00-0 External power cable	■ for connecting the oscillator to an external power supply with a voltage of 14–24 V DC ■ enables start/stop of OSC-8 PRO in external mode

External operation mode

Oscillator settings:	MANUAL
Communication with external automation system:	YES (start/stop of oscillator)
Weld paths:	TRAPEZOID and TRIANGLE 

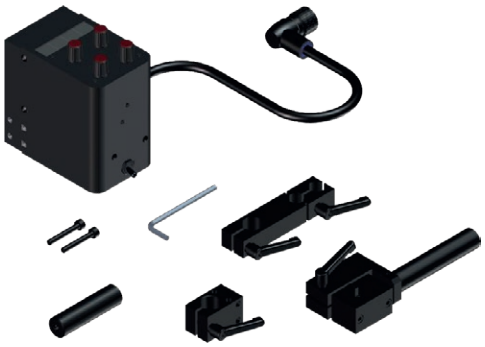
Technical specification:

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-0799-10-00-00-1



Standard shipping set:

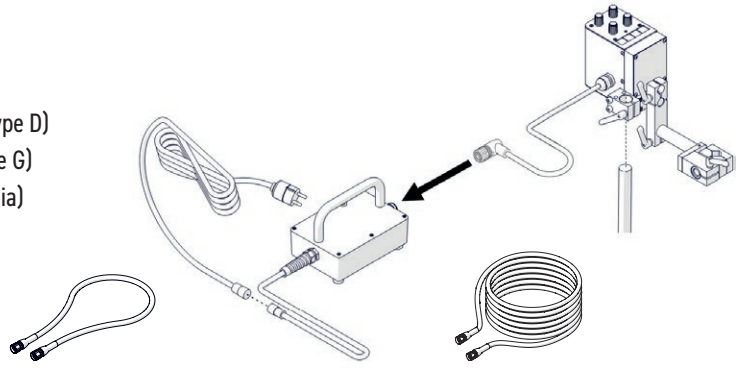
- Oscillator
- 5 mm hex wrench
- Arm
- Low rod torch holder with clip
- Clamping block
- M6x40 screw 2 pcs
- 80 mm (3 5/32”) rod
- Operator's Manual



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)



- PWD-0720-04-00-00-0
  Cable connecting adapter 1 m for OSC-8 PRO

More information at www.promotech.eu

All information is subject to change without notice. 26.06

PROMOTECH Sp. z o.o.
Elewatorska 23/1
15-620 Białystok, POLAND
Phone +48 85 678 34 05
marketing@promotech.eu

Your local dealer: