CE

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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 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.
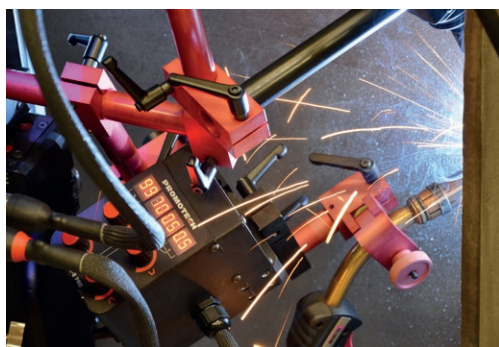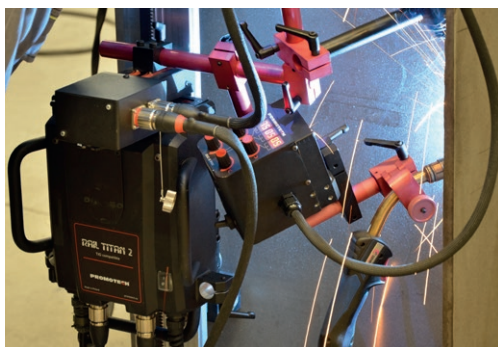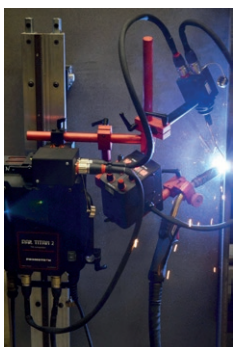
LED Display

Control switch (MANUAL / 0 / EXTERNAL)

Knobs to adjust the oscillation parameters
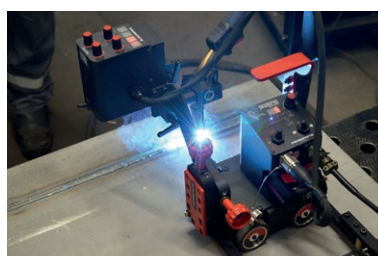
## Oscillation parameters:

| 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 |
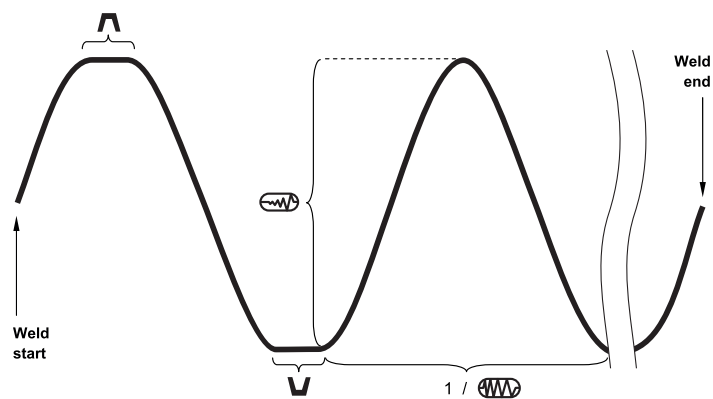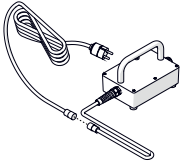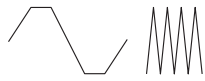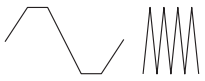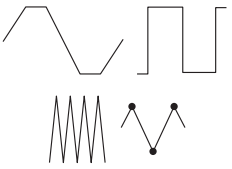


## Applications:

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<br>RAIL BULL<br>RAIL TUG<br>Freestanding supports<br>PRO-WP 150<br>PRO-WP 300<br>PRO-WP 300P<br>PRO-WP 750P | GECKO BATTERY 2<br>RAIL TITAN | SCORPIO BATTERY | RAIL TITAN 2<br>WA Compact<br>Mini C&B System (SWSO) |
|---|---|---|---|---|
| **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 |
| **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 |

## 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 |
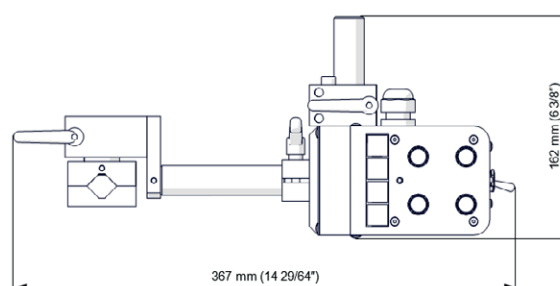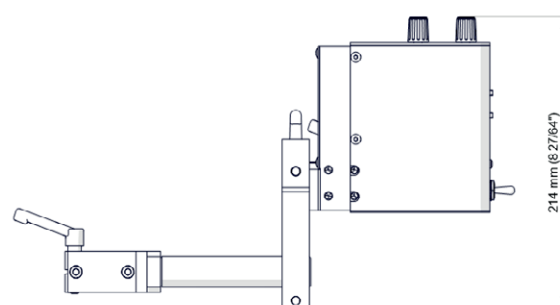
## Standard shipping set:

- 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
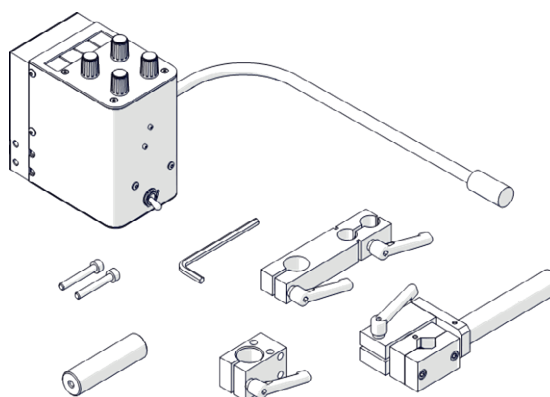
## Optional Power Supply:

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)
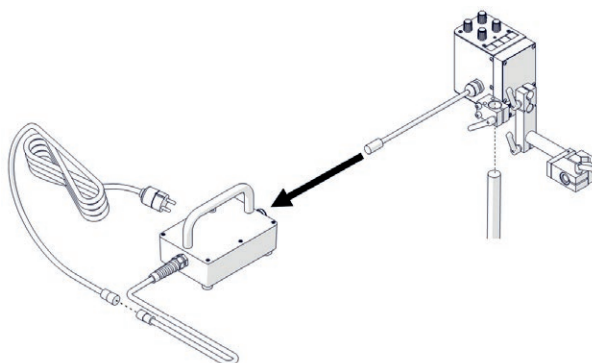
*More information at www.promotech.eu*

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