OSC-8 | PENDULUM WEAVER WELDER

The OSC 8 pendulum oscillator is designed to oscillate MIG/MAG torches with the diameter of 16-22 mm (5/8-7/8"). The oscillator is installed onto a 22 mm (7/8”) diameter rod and connected to a welding device. It can be controlled manually or by using an external START-STOP switch. Using an optional freestanding support allows welding of rotating pipes or moving plates. An optional power supply allows connecting the oscillator to a 230 V or 115V power source. OSC-8 is suitable for MIG/MAG automate processes in heavy fabrication industries such as: pipeline and bridge construction, shipbuilding and tank welding.

Features & Benefits:

- lightweight and compact design
- two control modes: manual and external start
- four adjustable parameters (oscillation width, oscillation speed, oscillation dwell time on ends)
- simple control panel (four knobs)
- can work as stand-alone device or be a part of more advanced welding system
- optimal solution for various welding applications
- real improvement of the welding process
- uniform and high quality welding
- supply voltage 14-24 V (direct connection to the welding tractor or an external automation system)
- optional power supply 115 VAC or 230 VAC

OSC-8 can work either as stand-alone Pendulum Weave Welder or along with freestanding support or along with welding tractors.
OSC-8 along with Freestanding Support

OSC-8 along with Rail Bull 2 tractor

OSC-8 along with Rail Tug tractor
Depending on welding system configuration in use the oscillator can work in either manual or external start mode and be connected to:

### OSC-8 TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>14–24 V DC</td>
<td></td>
</tr>
<tr>
<td>Power</td>
<td>50 W</td>
<td></td>
</tr>
<tr>
<td>Torch type</td>
<td>MIG/MAG</td>
<td></td>
</tr>
<tr>
<td>Torch diameter</td>
<td>16–22 mm</td>
<td>(5/8–7/8&quot;)</td>
</tr>
<tr>
<td>Oscillation type</td>
<td>Pendulum</td>
<td></td>
</tr>
<tr>
<td>Oscillation width at r=150 mm</td>
<td>1–30 mm</td>
<td>(1–100%)</td>
</tr>
<tr>
<td></td>
<td>1/32–1-3/16&quot;</td>
<td>(1–100%)</td>
</tr>
<tr>
<td>Oscillation speed at oscillation width of 10 mm</td>
<td>12–115 cycles/min (1–100%)</td>
<td></td>
</tr>
<tr>
<td>Oscillation dwell time on ends</td>
<td>0–3 s</td>
<td></td>
</tr>
<tr>
<td>Maximum torque</td>
<td>8 N•m (5.7 lb•ft)</td>
<td></td>
</tr>
<tr>
<td>Required ambient temperature</td>
<td>0–50°C</td>
<td>(32–122°F)</td>
</tr>
<tr>
<td>Weight</td>
<td>2 kg (4 lbs)</td>
<td></td>
</tr>
<tr>
<td>Product code:</td>
<td>OSC-0497-10-00-00-0</td>
<td></td>
</tr>
</tbody>
</table>

- **welding circuit**
- **power supply**
- **or welding tractor**
Optional equipment:

Power Supply (to be chosen from available voltage versions)

- Product codes:
  ZSL-0497-16-00-00-0 (230 V CEE)
  ZSL-0497-16-00-01-0 (115 V USA)
  ZSL-0497-16-00-02-0 (230 V AU)
  ZSL-0497-16-00-03-0 (230 V UK, type G)
  ZSL-0497-16-00-04-0 (230 V IN, type D)

Freestanding Support:

- Holds the oscillator to allow oscillation welding of rotating pipes or moving plates
- Product code: STJ-0629-10-00-00-0

Rail Bull 2 accessories:

- Rod 203 mm
  KLM-0236-00-16-00-0
- Clamping block
  KST-0525-11-00-00-0

Standard shipping set:

- Oscillator - 1 unit
- 2 m (6.5 ft) power cord - 1 unit
- Low rod torch holder with clip - 1 unit
- Oscillator arm - 1 unit
- Clamping block - 1 unit
- M6x40 screw - 2 units
- 80 mm (3\") rod - 1 unit
- 5 mm hex wrench - 1 unit
- Operator’s Manual - 1 unit

More information at www.promotech.eu