**PowerARC 160i STH**

**Perfection 2.0**

- New design is still simple, but better.
- Digital Control improves reliability/serviceability.
- New adjustable features for both TIG and Stick
- Plenty of power for most hobbyists and light fab work.
- Stick and Live Lift Start and Lift start TIG capability.
- Comes with an industry-best 5 year welder warranty.

**Perfect Simplicity**

Easy to learn. Easy to operate.

It doesn’t take a professional to be able to operate the PowerARC 160i STH. In fact, it is incredibly simple to set up and use. But even though it doesn’t take a pro to use it, it is perfect for almost anyone, including professionals to use. Of course it depends upon your application, but there is very little the PowerARC can’t do, except TIG weld Aluminum. All the basic required features are there to perform DC TIG welding, or DC Stick welding. In fact, due to customer input, a few carefully chosen features have been added to this new unit to improve versatility of the welder. But little in the way of “bells and whistles” are present to confuse the user. No, it isn’t bare bones, but it isn’t so complex that it takes a lot of extra training to understand the functions. Controls are simple and logically laid out. Novices shouldn’t be intimidated, and professionals won’t be caught without what they need to do the job either. Although this new version replaces the older analog PowerARC 160STH, it isn’t exactly the same thing. The new version is now digitally controlled to improve serviceability over the lifespan of the unit by reducing circuitry and converting most major circuits to plug-and-play.

**The basics and a bit more.**

The PowerARC 160i STH, stands for Stick, TIG, and High Frequency Start (for TIG). While the unit does not have AC for welding aluminum, the low amp start and the substantial maximum 160 A output rating ensure the user will always have enough power to weld almost every other metal out there. If you are a new gun smith getting your feet in the door, a pro welder wanting to DC TIG on the work site, or simply a novice with aspirations, the power range definitely gives you a wide sweet spot for Stick and TIG welding capability. As far as features go, the unit has a few basic additional features for Stick and TIG that add to the utility of the unit without detracting from the simplicity. For Stick the unit has an additional feature over the older unit, which can help improve the arc start. Hot Start intensity control improves the quality of the arc starting by providing an “intensity” adjustment. For TIG the unit includes HF Start, Lift Start, or Live Lift Start. This means that the user now has a choice of TIG welding with or without a remote switch or foot pedal to control arc initiation and amperage.

**Specifications**

<table>
<thead>
<tr>
<th>Process: DC SMAW/DC GTAW</th>
<th>Output: 120V: 10-80A; 240V: 10-160A</th>
</tr>
</thead>
<tbody>
<tr>
<td>OCV: 70V</td>
<td>Insulation grade: F</td>
</tr>
<tr>
<td>Weight: 11kg (25 lbs.)</td>
<td>Dimensions: 16.5”x11.5”x6.5”W</td>
</tr>
<tr>
<td>E6010/Cellulose: Not capable</td>
<td>Maximum Stick Electrode Diameter: 1/8”-5/32”</td>
</tr>
<tr>
<td></td>
<td>Duty Cycle: 35%@90/160A, 40°C</td>
</tr>
<tr>
<td></td>
<td>TIG Torch: 17 Series, 4m (12.5 ft.)</td>
</tr>
<tr>
<td></td>
<td>Classification: Hobby, Small Shop</td>
</tr>
<tr>
<td></td>
<td>Input Cable Length: 6’</td>
</tr>
<tr>
<td></td>
<td>DINSE Type/Size: 10-25mm²</td>
</tr>
</tbody>
</table>

**Everlast Power Equipment**

380 Swift Ave. Unit 12
South San Francisco, CA 94080

1-877-755-9353
www.everlastwelders.com

All specifications, accessories and options are subject to change without notice.

ORDER PUBLICATION: 30911-ETL  FEB ’19
Panel Configuration and Details

1. Parameter Selector. Select Stick Parameter for adjustment. Select from Amp, or Hot Start Intensity for Stick. Select Downslope time (in 2T/4T mode only) and Post Flow Setting for post weld gas flow.
2. Error Indicator. Indicates Duty cycle or Over current events.
3. On Indicator. Indicates power is switched on.
4. TIG Start Type Selector. Selects from Live Lift (Torch is live, no foot pedal or torch switch needed), Lift Start (Torch switch or foot pedal required), or HF Start (No work contact required).
5. Parameter Adjustment. Increase or decrease selected parameter
7. Torch Switch/Pedal Selector. Decide between using a torch switch or foot pedal (or torch mounted amptrol) to control TIG arc starting and amperage.
8. LED Screen, LED indicators. Indicates selected parameter and value.

Everlast proudly offers optional accessories and products from NOVA Welding Industries.

Standard Kit:
- Compact/Impact Resistant Carry Case
- Electrode Holder and 9 ft Cable (DINSE 25 Type)
- 17 Series Torch with 12.5 ft. cable and DINSE
- 240V to 120V Pigtail Adapter
- Starter Kit TIG Consumables (No Tungsten)
- Regulator/Flow Meter

Customer Favorite Options:
- PowerCart 250 # PC250-M
- Stubby Consumable Kit # E-WP17-26-18-SKT
- NOVA Long Life (2 Million Cycle) Foot Pedal # EV-FP22NWI
- NOVA Amp Control Slider # NVA-SLDR-1
- NOVA 17 Rota-Flex Torch, with 25 ft. Ultraflex cables # RF-17-125-25QD

Everlast makes every effort to ensure accuracy of stated specifications and kit contents at time of publication. However, due to continual our efforts to improve our products and offerings, stated specifications, accessory kit content or product appearance may change without notice. Any change in specification, kit contents, appearance, length, etc. can be verified by calling toll-free @ 877-755-9353. In the event of these changes, Everlast will not be liable to provide product, kit contents, or accessories exactly as depicted or described in this publication. Please review warranty details @ https://www.everlastgenerators.com/standard-warranty. The 5 year parts and labor warranty covers only the power source and does not cover accessories or consumables. While this publication may be used in multiple distribution markets, the 5 year warranty only applies to US products only. Canada and other countries maintain different warranty periods and policies. Consult directly with your country’s distributor about your warranty details. Accessories, including all NOVA products are covered under a separate warranty. Consumables and consumable kits are not warranted except against manufacturer defect. Since Everlast cannot know every situation and detail of customer’s application, any statement of other warranty, expressed or implied, or statement concerning suitability of this product for a specific customer use or application is specifically disclaimed. The customer is responsible for ensuring safe and practical operation of the unit and is solely responsible for the proper use and application of this product and accessories.