

# PowerARC 160i STH



Digital Stick Series



## 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

**Process:** DC SMAW/DC GTAW

**Input Amps:** I<sub>1</sub>MAX: 120V, 29.7A / 240V, 28.8A I<sub>1</sub>EFF: 120V, 18 240V: 17. A

**OCV:** 70V

**Weight:** 11kg (25 lbs.)

**E6010/Cellulose:** Not capable

**Output:** 120V: 10-80A; 240V: 10-160A

**Protection:** IP21S

**Insulation grade:** F

**Dimensions:** 16.5"Lx11.5"Hx6.5"W

**Maximum Stick Electrode Diameter:** 1/8"-5/32"

**Duty Cycle:** 35%@90/160A, 40° C

**TIG Torch:** 17 Series, 4m (12.5 ft.)

**Classification:** Hobby, Small Shop

**Input Cable Length:** 6'

**DINSE Type/Size:** 10-25mm<sup>2</sup>

#### Everlast Power Equipment

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

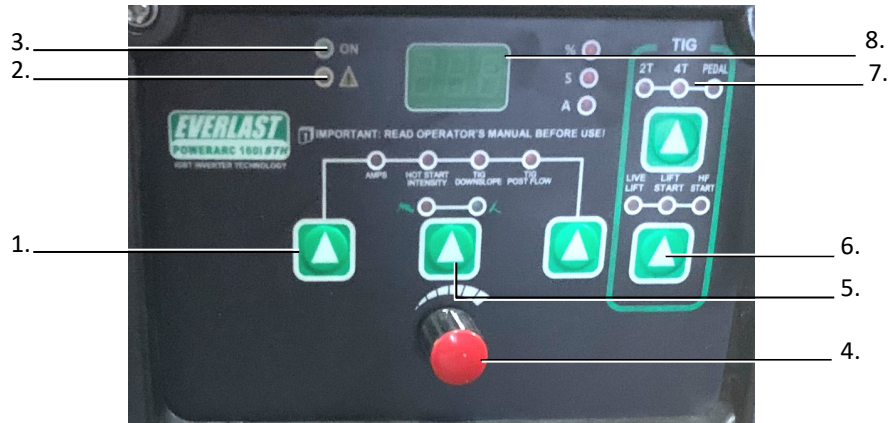
**1-877-755-9353**

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

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## 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
6. Process Selector. Select from Stick or Live Lift TIG Function.
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.

## Standard Equipment and Options



### 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 proudly offers optional accessories and products from NOVA Welding Industries.**



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