



EXTREME 160III NEW GENERATION STICK (SMAW) WELDER





STICK (SMAW) WELDER , **EXTREME 160 III**

APPLICATIONS

- Outside and work- shop welding job
- Small maintaince
- Light construction
- Repair
- Hobby
- DIY
- Light metal fabrication



APPLIED MATERIAL

- Carbon Steels
- Stainless Steels
- Low - Alloy Steels
- Aluminium & Alloys

Single Phase (230 V ;+/- %20) **160 Ampere** real output current with that controlled perfectly with new generation **IGBT Inverter Technology**.

High **performance** with real **efficiency** in small, **compact** and lightweight design.

Ideally suited for **internal** & **external** critical welding operations to get quality welds.

Precise **output control** , stable **arc** ideal **weld bead** appearance **without** spatter.





LIGHT APPLICATIONS

EQUIPMENT REQUIREMENTS

- Portable; to be able to use the machine everywhere.
- Low input voltage (230V-1ph) to connect .
- Excellent welding characteristics and user friendly features .
- Low and medium amperage, to weld with max. 4mm stick electrode.

STICK ELECTRODE

- All position
- Easy to use.
- Smooth Weld.

THE SOLUTION; **EXTREME 160 III**

- Inverter technology, compact , lightweight and portable!

WEIGHT 3 KG.



- Built in Anti-Sticking, Hot Start

**ANTI
STICKING**

**HOT
START**





HOT-START

Hot-Start makes it easier to start difficult-to-start electrodes and used for arc starting only. With this feature will be a solution for arc ignition problems especially when welding on dirty or rusty parts and when using electrodes with moisture coating.



ANTI-STICKING

Excellent feature for not sticking the electrode to the work-piece. It serves as a safety device in protecting the operator. This electronic device minimizes the short circuit current in the event of the electrode sticking to the work piece for a prolonged period.



-Excellent arc chracterics with **E 6013 Rutile** and **E7018 Basic** type electrodes in diameters of **1.6 mm to 4 mm**.



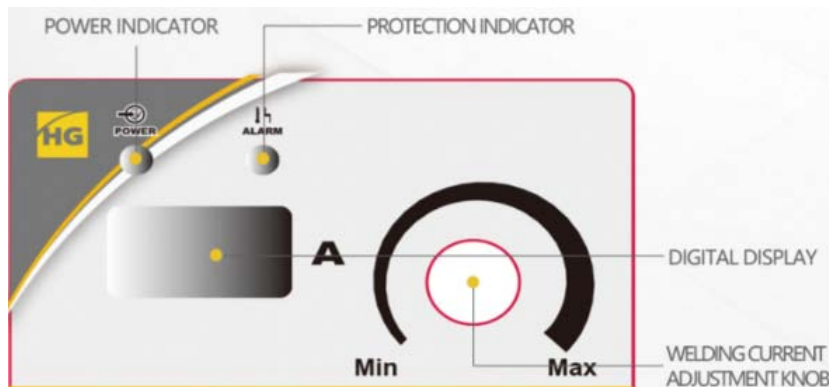


- **Ideal for welding**; of carbon steels, low-alloy steels and stainless steels



- **Safety** ; Equipped with **Voltage** and **Thermal** Protection that improve reliability

- **Easy** to use and user friendly control panel and setup



Digital Welding Current Display

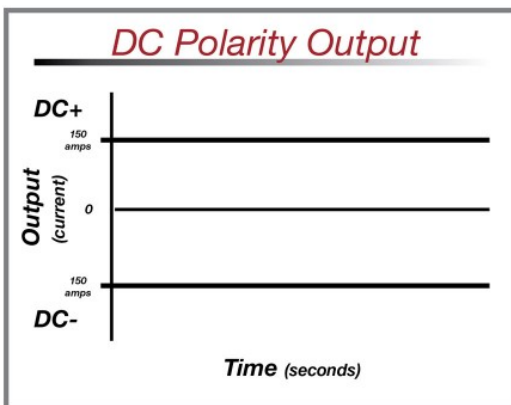
Stepless Welding Current Adjustment Knob

Power and Thermal Protection Led Indicators





MODEL	Input Voltage	Welding Current Adjustment Range (A)	Rated Output (A) (20 C) / (40 C)	Anti-Sticking	Hot-Start	Electrode Diameter (mm)	Rated Open Circuit Voltage (V)
EXTREM E 160III	230V-1Ph	20-160	40% / 20 % @ 160	Built-In	Built-In	1.6-4.0	68



AWS A5.1 Carbon Steel Electrodes for SMAW

Electrode _____ E 6 0 1 0
 Min. Tensile (in ksi) _____
 Position _____
 Type of Coating and Current _____

Digit	Type of Coating	Current
0	High Cellulose Sodium	DC+
1	High Cellulose Potassium	AC, DC±
2	High Titania Sodium	AC, DC-
3	High Titania Potassium	AC, DC±
4	Iron Power, Titania	AC, DC±
5	Low Hydrogen Sodium	DC+
6	Low Hydrogen Potassium	AC, DC+
7	High Iron Oxide, Iron Powder	AC, DC±
8	Low Hydrogen Potassium, Iron Powder	AC, DC±

Precise real **160 A output control** , stable **arc** ideal **weld bead** appearance **without** spatter with all positions.





Standard Package Accessories

200 A Electrode Holder
(1.5 m x 16 mm² cable
With Euro Type Quick Connector)



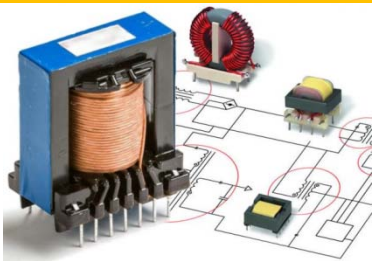
200 A Earth Cable
(1.5 m x 16 mm² cable
With Euro Type Quick Connector)





TECHNOLOGY AND COMPONENTS

Designed Copper Transformers



New Generation Inverter PCB Board



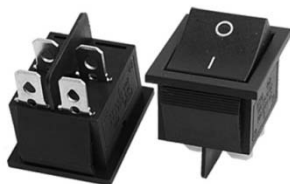
Superior Quality IGBT



CE Certificated Powerful Fan



CE Certificated Switch



Aluminum Heat - Sinks



High Quality Steeples Knob



CE Certificated Euro Type Quick Connectors



CE Certificated Capacitors



Precise Design and Control







ITEM	UNIT	EXTREME 160 III
Rated Input Voltage	V	230
Power Frequency	Hz	50/60
Rated Input Capacity	KVA	6.9
Rated Input Current	A	30
Output No Load Voltage	V	65
Welding Current	A	20~160
Rated Duty cycle	%	20 @ 160 A
Cooling Type Fan Cooled		Fan Cooled
Efficiency	η	$\geq 85\%$
Power Factor	Cos ϕ	0.73
Insulation Degree Class		H
Cover Protection Degree	IP	IP21S
Weight	kg	3
Dimension LxWxH	mm	315X102X17.6

