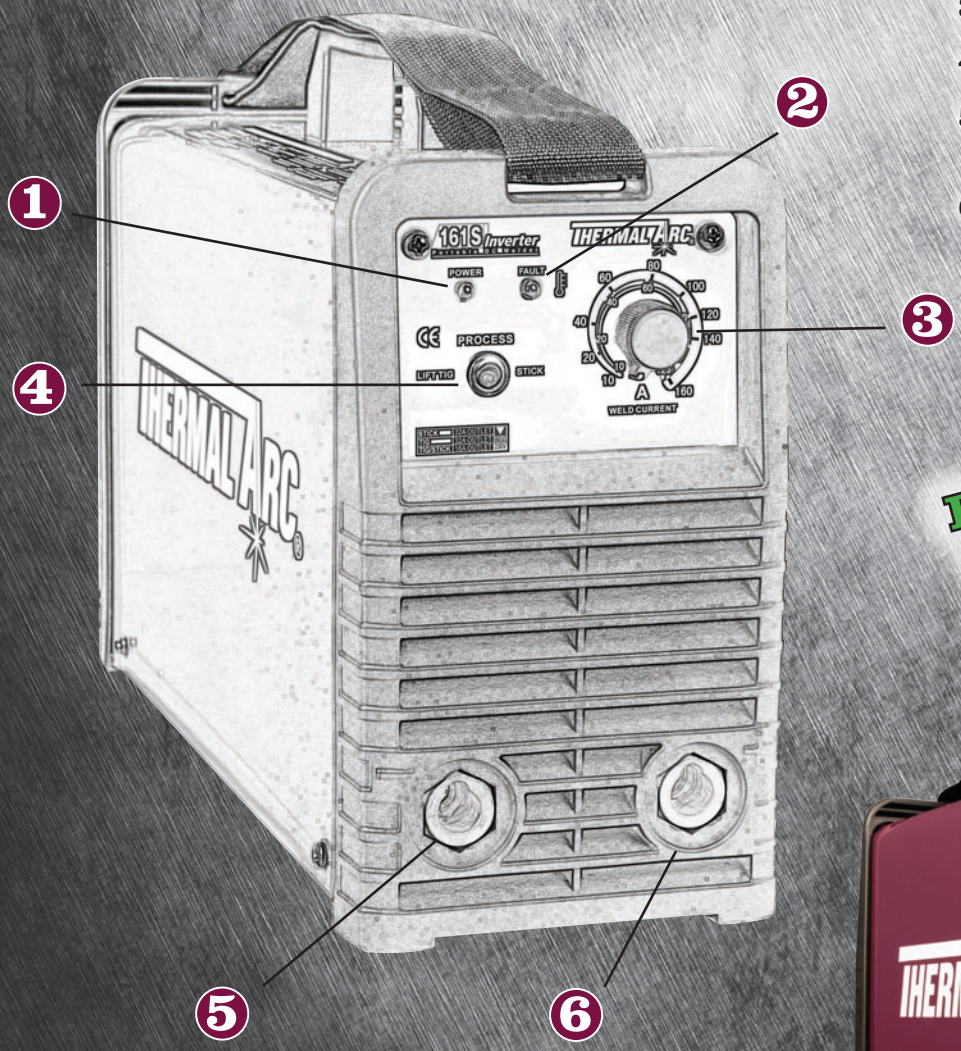
161S INVERTER

DUAL VOLTAGE PORTABLE DC WELDER

1) Power Indicator Light
2) Overheat / Fault Indicator Light
3) Weld Amperage Control Knob
4) Stick/Lift TIG Process Switch
5) Negative Weld Output 50 mm Dinse Receptacle
6) Positive Weld Output 50 mm Dinse Receptacle



Featuring **Power Factor Correction** for more efficient operation

DC | 160 AMP | DUAL VOLTAGE 230/115V | 1 PHASE | WARRANTY 2 YEARS

161S INVERTER:

THERMAL ARC

The Thermal Arc® 161 S Portable DC Welder is designed for Stick & Lift TIG welding operations and provides a greater range of output for the advanced hobbyist or light industrial applications.

In-built PFC (Power Factor Correction) "the greener option" offers a higher output while reducing input power consumption!

With SmartLink™ input automatically linking to 115V or 230V the 161 S.

It is capable of delivering 125 Amps on 115 Volt circuits for Stick & TIG welding. When used on 220-230 Volt circuits, maximum output is 160 Amps for either welding process.

This welder features optimized hot start and arc-force circuits delivering superior arc starting and control when Stick welding.

MACHINE FEATURES:

- Heavy-Duty 50mm DINSE connectors
- Versatile, multi-process Stick/TIG capability
- 160 Amps maximum welding on 230V / 125 Amps on 115V output
- Multi-voltage input power 115 & 220/230 VAC
- Excellent, smooth & stable arc performance
- Highly efficient inverter design
- Lightweight and portable
- Simple & easy, ready to weld package
- 2 Year Limited Warranty

MACHINE SPECIFICATIONS	
Type: Constant Current	DC Stick & TIG Welder
Maximum Output	160A
Welding Amperage Range 115V	Stick & TIG 10-125A
Welding Amperage Range 230V	Stick & TIG 10-160A
Rated Output: Stick 115V, 20A	125A / 24V @ 35%
TIG 115V, 20A	125A / 14.4V @ 50%
Stick 230V	160A / 26.4V @ 30%
TIG 230V	160A / 16.4V @ 40%
Nominal OCV Volt/DC	71V
Power Source Dimensions: (H x W x D)	9.0" (229mm) x 5.3" (135mm) x 15.5" (394mm)
Power Source Weight	17.4 lbs. (7.9kg)
Warranty	2 Years
PRIMARY POWER	
Primary Voltage	115/220-230V
Hertz	50/60 Hz
Phase	1 PH
Designed To	IP23S
Approvals	EN 60974-1

Stick Welding Package (Part No. W1003605)

- Thermal Arc 161 S inverter welding power source
- Tweco® WeldSkill® 200 Amp electrode holder with 13ft (4m) lead
- Tweco WeldSkill 200 Amp ground clamp with 10ft (3m) lead
- Operating manual
- Product family overview DVD
- 4 general purpose stick electrodes (E6013)
- Carry Case

THERMADYNE®

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