

115 Volt & 115 / 208 (230) Volt

STICK (SMAW)

TIG (GTAW) DC WELDERS

INVERTER 95S



THERMAL ARC



By THERMADYNE

PROCESS	STICK	LIFT TIG (Limited)	115 Volts	
Stick Kit Part Number	Rated Output @ Duty Cycle	Output Range	Dimensions (H x W x D)	Power Source Net Weight
W1003202 (115 V)	90 A / 23.6 V @ 20%	5 - 95 Amps	9" x 5.1" x 13" 229 x 130 x 330 (mm)	9.7 lbs. (4.4 kg)

DC STICK w/Limited TIG (Non-White Metal)
No Foot Control Ability & No Solenoid Valve
(Requires Gas Valve Type TIG Torch)



- FEATURES**
- Designed for Light Duty 1/16" and 3/32" STICK (SMAW) Electrodes
 - Output Range of 5 to 95 Amps
 - Thermal Overload Protection w/Warning Light
 - 25mm (DINSE Type) Twist Lock Output Terminals Allow Easy Polarity Reversal.
 - Heavy Duty 6 Gauge Welding Cables (LEADS) 10 ft. Cable with Electrode Holder, 10 ft. Work (Ground) Cable with Rugged Clamp & Carry Case

#W1003202
\$325.00 EA
Complete Stick Kit

FOR TIG KIT OPTION:
SEE ACCESSORIES PAGE

1-Year Warranty –See Details

*Includes 20 Amp Input Cable Adapter Part No. W4013300

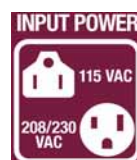


INVERTER 161S



DC STICK w/Limited TIG (Non-White Metal)
No Foot Control Ability & No Solenoid Valve
(Requires Gas Valve Type TIG Torch)

PROCESS	STICK	LIFT TIG (Limited)	115 / 208-230 Volts	
Machine Only Part Number	Rated STICK Output @ Duty Cycle	STICK Output Range	Dimensions (H x W x D)	Power Source Net Weight
(115 / 230 V)	160A / 26.4 V @ 30% (230 V) 70A / 22.8 V @ 60% (115 V)	10-160 Amps (230 V) 10-110 Amps (115 V)	9.0" x 5.3" x 15.5" 229 x 135 x 394 (mm)	17.4 lbs. (7.9 kg)



The Thermal Arc® INVERTER 161S is a power supply with Constant Current (CC) output characteristics. The 161S comes with a digital Volt/Amp meter allowing for precise set up and output control. Welding current control includes adjustable hot start (10-160 Amps) and arc control which allows the arc force to be adjusted.

- FEATURES**
- Smart Link™ Capability Automatically link to either 115 or 208-230 VAC
 - Easy access to all functions and controls
 - Dinse Twist Lock Output Terminals Rugged output terminals allow for easy polarity reversal and cable change
 - 8-Pin Remote Receptacle allows remote devices to be connected for controlling amperage and output contactor
 - Weighs less than 20 lbs. Portability
 - Warning Code Circuitry Alerts operator of power supply abnormalities
 - VRD (Voltage Reduction Device) reduces the OCV when the power supply is not in use, eliminates the need for add on voltage reducers, and has no effect on arc starting
 - 115 VAC Input adaptor cable supplied w/common NEMA 5-15 115 VAC Power Plug

A complete STICK System
#W1003602 \$749.95 EA

Includes: 161S Machine w/10' Power Cord w/230 VAC Plug, 230 VAC to 115 VAC 15 Amp Adaptor, 13' Stick Cable w/Electrode Holder, 10' Ground Cable w/Clamp, Large Toolbox Case



3-Year Warranty –See Details
Uses 50mm (DINSE) Style Plugs

INVERTERS 161STL & 201TS



DC (Non-White Metal) TIG w/ STICK
(Has Foot Control Ability and Internal Solenoid Valve for Gas Control)

PROCESS	STICK	LIFT TIG & HF TIG (201TS)	115 / 208-230 Volts	
Machine Only Part Number	Rated STICK Output @ Duty Cycle	STICK Output Range	Dimensions (H x W x D)	Net Weight
161STL	160 A / 26.4 V @ 30% (230 V) 80 A / 23.2 V @ 100% (115 V)	10-160 Amps (230 V) 10-125 Amps (115 V)	9" x 5.3" x 17.7" 229 x 135 x 450 (mm)	21.6 lbs. (9.8 kg)
201TS	200 A / 28 V @ 20% (230 V) 80 A / 23.2 V @ 100% (115 V)	10-200 Amps (230 V) 10-125 Amps (115 V)	9" x 5.3" x 17.7" 229 x 135 x 450 (mm)	22 lbs. (10 kg)



The Thermal Arc® INVERTER 161STL is a compact welding machine that has infinitely adjustable welding current from 10 to 160 amps. It has a LIFT TIG (GTAW) welding mode that offers stable TIG welding characteristics with an optimized Lift Start TIG sequence to initiate the welding arc when used with a suitable TIG torch and shielding gas.

The Thermal Arc® INVERTER 201TS is a compact welding machine that has infinitely adjustable welding current from 10 to 200 amps. It has a LIFT TIG (GTAW) and HF TIG (GTAW) welding modes that offer stable TIG welding characteristics with an optimized start TIG sequence to initiate the welding arc when used with a suitable TIG torch and shielding gas. Both models have advanced TIG features including 8 Pin Amp Plug for remote control devices, down slope, 2T / 4T controls, and gas solenoid operation. They also have STICK (SMAW) welding mode which uses standard general purpose STICK (SMAW) 3/32" (2.5mm) electrodes for light gauge work, generally less than 1/8" (3.2mm) thick and STICK (SMAW) 1/8" (3.2mm) electrodes for heavier material. Additional Accessories are respectively shown on other pages in this "Joining & Cutting with Electricity" Section

Order as a complete TIG/STICK System

161STL #W1003701 \$1,139.00 EA

201TS #W1003801 \$1,332.00 EA

Includes: Power Source w/10' Power Cord w/230 VAC Plug, 230 VAC to 115 VAC 15 Amp Adaptor, 13' Stick Cable w/Electrode Holder, 10' Ground Cable w/Clamp, Regulator Flow Gauge, *TIG Torch w/Amp On-Off **Hand Control & 12.5' Cable, TIG Accessories, Large Toolbox Case

*161STL System supplied with a 17 Series Torch

**201TS System Supplied with a 26 Series Torch

**Foot Control #10-4015 Sold Separately

Argon Cylinder & Gas Sold Separately



3-Year Warranty –See Details
Uses 50mm (DINSE) Style Plugs