

# Thermal Arc 200 AC/DC

**Featuring a new single phase AC/DC tig from Thermadyne, This machine features HF tig, lift tig, MMA, hot start, digital meters 2T/4T latching up slope/down slope with repeat function and full function built in pulse, AC frequency control and AC wave balance control. 3 year warranty.**

## 200 AC/DC

1ph 230V Input, 200A Tig Inverter with HF Tig, Lift Tig, Stick, Hot Start, Digital Meters, 2T/4T Function, Up Slope/Down Slope with Repeat Function and Full Function Built In Pulse, AC Frequency Control and AC Wave Balance Control

Process	HF TIG	LIFT TIG	STICK		
Part Number	Duty Cycle @ Rated Output	Output Range	Dimensions (H x W x D)	Net Weight	
10-3099	25% @ 200A 40% @ 160A	5 - 200 Amps	360 x 180 x 420 mm	19 kg	

Part No.	Description
10-3099	TA 200 AC/DC 200 Amp Inverter Power Source with operating manual, primary cable and Tig plug (10-9811)

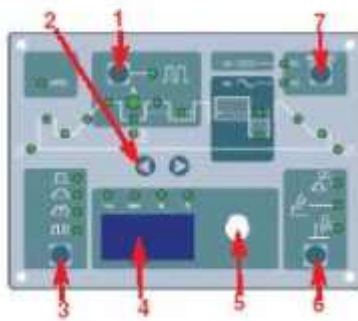
## OPTIONS AND ACCESSORIES

Part No.	Description
10-4016	Remote Foot control 7.6m lead and plug
10-4014	Remote Hand Pendant 7.6m lead and plug
10-9811	Plug for Remote or TIG Torch Button

## Machine Specifications

Mains Input Voltage	1ph, 230v
Fuse Rating - Delayed	16A
Open Circuit Voltage	64V
Protection Factor	IP23S
Warranty Period	3 Years

Features	Benefits
Smart Logic®	Eliminates damage if the machine is accidentally installed to the improper voltage
Thermal Overload Protection with indicator	Alerts operator if duty cycle is exceeded or airflow is blocked
Simple to use Control Panel Interface	All functions and controls are easily set through robust easy to use push button switches
Remote Receptacle	Allows remote devices to be connected for controlling amperage and output contactor
Warning Circuitry	Alerts operator of power supply abnormalities
VRD	VRD stands for Voltage Reduction Device, it reduces the OCV when the power supply is not in use. Eliminates the need for add on voltage reducers. (Field Capable)
Lift-Start TIG	Provides TIG arc starting without use of high frequency
HF Arc Starting	Provides non-contact arc starting that eliminates tungsten or material contamination
TIG Pulser & Sloper	Provides Pulse ON/OFF, Pulse Frequency, peak % time, background and peak amperage, initial and final slope times and amperage control



Item	Description
1	Pulse Function - Pressing this button enables the TIG current pulse functions.
2	Scroll Buttons - Used to select the parameter to be set. The LED's show which function is being adjusted on the Sequence Graph.
3	TIG Mode Functions - Pressing this button scrolls through the output TIG function models (Standard, Slope, Slope w/repeat, Spot)
4	Digital LED Display - Welding amperage and parameter values are displayed in this window. Internal warnings such as over temperature, low or high input voltage applied are signalled to the operator by a warning sound and error message on the screen.
5	Control knob - Allows the operator to adjust the output amperage within the entire range of the power source, also used to set each parameter value.
6	Process Button - This button selects between STICK, HF TIG or Lift TIG mode.
7	AC/DC Button - Selects between AC or DC welding output.



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