

RAZOR TIG 200 AC/DC

FEATURES



HD Backlit Interface

This next generation interface panel is bright and easy to read in any environment.

Power Factor Correction (PFC)

PFC gives you maximum electrical efficiency. It automatically compensates for any voltage fluctuation, and PFC is also designed to be generator friendly.

10A Plug

A 10 AMP power plug can be used on any domestic outlet. It's perfect for the DIY home handyman or the professional welder looking for a machine that can be used almost anywhere.

AC/DC

Weld every kind of metal. With the ability to run on an Alternating Current, you're able to weld aluminium as effortlessly as mild and stainless steels.

High Frequency TIG

Maximise your results from start to finish. A high-frequency torch can start an arc without contacting the workpiece, reducing the risk of contaminating the tungsten or the weld. It also means you get access to the entire TIG weld cycle, including pre- and post-gas and up and down slope parameters.

Multiple AC Waveforms

Completely customise your aluminium welds. Switch between Sine, Square, and Triangle waves to change the arc characteristics, bead profile, and penetration to suit your weld.

Mixed AC/DC

Experience the best of both worlds. Mixed AC/DC combines the efficiency of AC and the penetration of DC- TIG in one weld. With it, you get faster welding speeds, better penetration, a faster weld puddle on cold workpieces, and you can weld thicker materials.

Pulse TIG

Minimise the heat input without compromising on any of the penetration. Alternating between a peak and base current reduces the amount of heat input and focuses the arc, perfect for sheet metals and out-of-position welding.

Foot Control Ready

The perfect accessory, easily adjust your amperage to suit every weld as you go without disrupting your torch movement.

Smart Fan

Smart Fan diminishes noise, saves power, helps reduce energy costs, and minimises the number of contaminants being pulled through the machine.

Advanced MMA Features

The RAZOR TIG 200 AC/DC features adjustable Arc Force and Hot Start functionality. These features are designed for improving weld quality and ease of use.

Optional Remote Control

Upgrade your machine with a handy remote control. Both a wired and wireless controller are available.

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SPECIFICATIONS

Technical Data

Parameter	Values
SKU	U12002K
Primary Input Voltage	240V Single Phase
Supply Plug	10 AMP
I _{eff} (A)	9.5
Rated Output	5A/20.8V - 200A/18V
No Load Voltage (V)	65v
Protection Class	IP23S
Insulation Class	H
Minimum Generator (kVA)	9.0
Dinse Connectors	35/50
Standard	AS/NZ60974-1
TIG Weld Material type	Aluminium, Magnesium, Zinc Alloys, Mild Steel, Stainless Steel, Copper, Silicon Bronze, Titanium
MMA Weld Material type	Mild Steel, Stainless Steel, Cast Iron
Warranty (Years)	5

TIG Specifications

Parameter	Values
TIG Arc Ignition Type	High Frequency, Lift Arc
TIG Process Type	Pulsed AC, Pulsed DC, Mixed AC/DC
DC TIG Welding Current Range	5-200A
AC TIG Welding Current Range	20-200A
TIG Duty Cycle @ 40°C	20% @ 200A 60% @ 115A 100% @ 90A
TIG Welding Thickness Range	1-8mm

STICK Specifications

Parameter	Values
STICK Welding Current Range	20-160A
STICK Duty Cycle @ 40°C	15% @ 160A 60% @ 80A 100% @ 62A
STICK Electrode Range	2.5-4.0mm
STICK Welding Thickness Range	2-10mm

Size & Weight

Parameter	Values
Dimensions (mm)	500×170×340 mm
Weight (kg)	11.7kg