

Product Brochure For W175

AC/DC Inverter TIG/MMA (ARC) Welder - AC/DC 315 Razor Digital

#KUMJRRW315ACDC

10-315 Amps Welding Current Range



ORDER CODE:	W175
Type:	AC/DC Inverter Welder
MODEL:	RAZOR DIGITAL 315
Part Number:	#KUMJRRW315ACDC
Voltage / Amperage (V / amp):	415
Recommended Plug (amp):	10
Input Frequency (Hz) (Hz):	50
Input Current (amp):	19
I _{max} (A) (amp):	~
I _{eff} Current (amp):	13
Power Rating (kVA):	9
Rated Output Current (amp / V):	~
Range of Output Current (amp):	10 - 315
Arc Force (amp):	0 - 100
No Load Voltage (V):	45
Pre-Flow (S) (sec):	0 - 15
Clean Width (%) (Hz):	10 - 90
Slope-Down Time (S) (sec):	0 - 60
Post-Flow Time (sec):	2.0 - 20
Base Current (%):	~
Pulse Frequency (Hz):	0.5 - 200
Pulse Duty Cycle (%):	10 - 90
TIG Welding Thickness Range (mm):	~
MMA Welding Thickness Range (mm):	~
MMA Electrode Range (mm):	~
Duty Cycle 40 Deg C - TIG (% @ amp):	20 @ 315
Duty Cycle 40 Deg C - MMA (% @ amp):	60 @ 230
Duty Cycle 40 Deg C - Plasma (% @ amp):	~
Plasma Severance Cut Capacity Carbon Steel (mm):	~
Plasma Production Cut Capacity Carbon Steel (mm):	~
Plasma Production Cut Capacity Aluminium (mm):	~
Dinse Connector:	~
Protection Class:	IP21S
Insulation Class:	~
Standard:	~
Remote Control (Yes / ~):	Yes
Recommended Generator (kVA):	~
Efficiency (%):	~
Power Factor:	0.93
Dimensions (mm):	590 x 375 x 380
Nett Weight (kg):	33

Description

The RAZOR315AC/DC is a Digital Controlled square wave AC/DC TIG inverter welder with full TIG functionality that offers simple step by step digital setting of functions and parameters providing you with complete professional control. HF arc ignition provides pre gas with instant arc ignition leaving no tungsten inclusion or contamination of the tungsten electrode. Digital set of Pre Gas Time, Start Current, Up Slope and Down Slope Time, Finish Current Level and Post Gas Time with the choice of 2T or 4T trigger function allows controlling the start and finish of the weld process at a professional level. Digital Pulse Frequency Control gives full parameter setting of Peak Current, Base Current, Pulse Frequency and Pulse Width, allowing control of heat input into the work for penetration control and minimising distortion. AC Square Wave with Balance Control gives maximum control of the electron flow at the tungsten allowing to set the AC TIG arc for maximised cleaning of the oxide layer on aluminium to adjustment for a deeper penetrating weld.

Combined functions of the RAZOR315AC/DC ensures comprehensive control of welding parameters when welding AC and DC weldable materials to produce high quality Tig welds. Our unique Torch Remote Control Interface provides remote amperage control from the torch in

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both static and live welding modes. The DC MMA welding function delivers a smooth and stable arc allowing easy welding with electrodes obtaining high quality welds including cast Iron, stainless and low hydrogen. The added bonus of Arc Ignition and Arc Force control allows you to set the ideal arc condition no matter what electrode you choose. The RAZOR315AC/DC has raised the benchmark for 415V three phase AC/DC welders making it ideal for multiple applications; aluminium & stainless steel fabrication and repair and maintenance applications. Built to our specification and manufactured in compliance to AS/NZ60974-1

Features

- Latest IGBT Inverter Technology
- AC/DC HF TIG/MMA Function
- 2T/4T 2S/4S Trigger Select
- AC Square Wave
- AC Balance Control
- Pulse Control
- Pulse Width Control
- Base Current Control
- Up Slope / Down Slope Control
- Pre Gas / Post Gas Control
- Arc Ignition Current Control
- Arc Ignition Time Set Control
- Arc Force Select
- Remote Amperage Control
- Job Memory / Recall

Includes

- SR-26 4M TIG Torch
- Arc & Earth Lead
- Argon regulator
- Gas Hose
- 315P AC/DC Machine

Optional Accessories

- Stand (W175A)
- Water cooler stand (W175C)
- Foot Control (W174A)



Recommended Accessories

W10361

Magnetic TIG Torch Rest

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W174A
Suits UNITIG AC/DC 200-315
Tig Welder



W171
Air Cooled TIG Welding Torch

W119
Anti-Spatter Spray



O0184
Ar/O2 - Argon 98% & Oxygen
2% Disposable Cylinder



O0185
CO2/Ar - 86% Argon & 14%
Carbon Dioxide Disposable
Cylinder



O300
Gas Refillable Cylinder



O304
Gas Refillable Cylinder



O3045
Gas Refillable Cylinder



O302
Gas Refillable Cylinder



O306
Gas Refillable Cylinder



O3065
Gas Refillable Cylinder



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O0171

Argon Gas Regulator



W161

Argon Gas Regulator-Bobbin Flowmeter



W160A

Argon Gas Regulator-Twin Gauge



W590

1.6mm Tig Tungsten Electrode - Zirconiated White



W596

2.4mm Tig Tungsten Electrode - Zirconiated White



W597

1.6mm Tig Tungsten Electrode - Ceriated Grey



W598

2.4mm Tig Tungsten Electrode - Ceriated Grey



W001

Auto Darken Welding Helmet - 9~13 Shade



W002

Auto Darken Welding Helmet - 9~13 Shade



W1000A

Promax HV5 Welding Jacket



W1001A

Promax Blue FR Welding Jacket



W1002A

Professional Promax BL7 Welding Jacket



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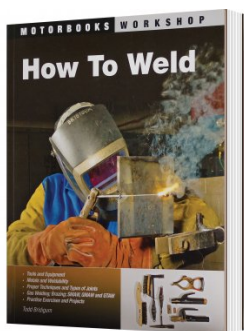
W100

ROGUE™ Heavy Duty Welding
Gloves - 400mm



L3456

How to Weld Book



W225

Welding Curtain



W125

Ø1.6mm TIG Filler Rod - Mild
Steel



W126

Ø2.4mm TIG Filler Rod - Mild
Steel



W127

Ø1.6mm TIG Filler Rod -
Stainless Steel



W128

Ø2.4mm TIG Filler Rod -
Stainless Steel

