

## Product Brochure For W1785

# MIG/TIG/STICK WELDER - RAZOR™ 205 SMART SET

#KUMJRRW205SSMIG

30-200 Amps - Smart Pre-Set Weld Functions



|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| ORDER CODE:                             | W1785                                    |
| MODEL:                                  | RAZOR 205 SMART SET                      |
| Type:                                   | MIG / TIG / STICK & Multifunction Welder |
| Part Number:                            | KUMJRRW205SSMIG                          |
| Voltage (V):                            | 240                                      |
| Recommended Plug Amperage (amp):        | 15                                       |
| Welding Current Range - MIG (amp):      | 30 - 200                                 |
| Welding Current Range - STICK (amp):    | 10 - 200                                 |
| Welding Current Range - TIG (amp):      | 10 - 200                                 |
| Duty Cycle (% @ amp):                   | 20 @ 200                                 |
| Wire Spool Size (kg):                   | 1 & 5                                    |
| Ferrous Wire Size - Range (mm):         | 0.6 - 0.9                                |
| Stainless Steel Wire Size - Range (mm): | 0.6 - 0.9                                |
| Aluminium Wire Size - Range (mm):       | 0.9 - 1.2                                |
| Recommended Generator (KVA):            | ~                                        |
| Dimensions (mm):                        | 470 x 190 x 380                          |
| Nett Weight (kg):                       | 12.5                                     |



## Description

The RAZOR MIG 205 SMART SET is one of the easiest multi process welders available, offering MIG, TIG and STICK welding functions. The SMART SET Synergic MIG technology takes out the guesswork from finding the ideal parameters for MIG welding, so you can spend more time getting work done.

With the inclusion of a Spool Gun connection and lightweight construction, the RAZOR MNIG 205 SMART SET is perfect for site work and workshop use.

The Razorweld Series MIG205-SS is a new inverter-based portable MIG/MMA/TIG Welding machine with Synergic Programs for 0.8mm and 0.9mm solid welding wires. The MIG function allows you to weld with both Gas Shielded and Gasless wire applications giving excellent, professional welding results. Easy step-less adjustment of voltage and wire feed coupled with integrated digital meters allows easy setting of welding parameters. The MIG 205SS features Smart set welding with four Synergic Mild Steel welding programs designed for ease of use with your selected gas mixture. The operator selects the gas mixture and wire diameter they are using then simply start welding. Once this is done the operator can make fine adjustments to the voltage for even greater control of the weld pool.

The added Lift-Arc DC TIG capability delivers perfect arc ignition every time and a remarkably smooth stable arc produces high quality TIG welds. TIG functionality includes adjustable Down Slope & Post Gas as well as being gas solenoid-valve equipped. The stick welding (MMA) capability delivers easy electrode welding with high quality results, including cast Iron, stainless and low hydrogen. An additional feature is the Spool gun ready function that allows the simple connection of the SPGRW200II Spool Gun for the use of thin or softer wires that don't have the column strength to feed through standard MIG torches, such as aluminum wire. This is an industrial quality machine that is extremely lightweight and portable. Being 240v single phase gives great versatility. Ideal for general engineers, maintenance workshop, rural workshop, panel beaters and home workshop. Designed and built to our specification. Certified to - AS/NZ60974.1

## Features

- Latest 40 KHz IGBT inverter technology
- MIG/MAG with Gas and Gasless wire function
- Smart Set Synergic programs for 0.8 / 0.9 Mild Steel
- Soft Start - Self Adaptive Crater Fill
- Wire Inch
- MMA function (Stick electrode)
- VRD (Voltage Reduction Device)
- Hot start (improves electrode starting)
- Adjustable Arc Force

## Product Brochure For W1785

- DC TIG
- Lift Arc ignition (prevents tungsten sticking during arc ignition)
- 2T 4T Trigger Control
- Adjustable Downslope
- Internal wire feeder, gear driven for up to 200mm Ø spool
- Euro style MIG & TIG torch connection
- IP21S rating for environmental/safety protection
- Tolerant to variable power supply
- Spool Gun Connection

### Includes

- RAZOR 205 SMART SET MIG/TIG/STICK Welder
- 4m SB25 MIG Torch
- 4m Twist Lock Electrode Holder
- 300 Amp Earth Clamp & Lead
- Twin Gauge Argon Regulator
- 2m Gas Hose Complete with fittings
- Operating Manual

### Specific Features



Side View



Front View



Right View



Smart Set with 4 Welding Modes

### Recommended Accessories

#### W241

Universal Welder Trolley



#### W2415

TRI-CART Multi-Machine  
Welding Trolley



#### W497

SB25 Mig Torch Consumable  
Pack



#### W10362

Magnetic MIG Torch Rest



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W10361

Magnetic TIG Torch Rest



W559

MIG Torch - 4 Metre



W559A

MIG Torch - 3 Metre



W171C

Air Cooled Arc Torchology® TIG Welding Torch



W181C

Spool Gun - Light Duty



W181D

Spool Gun



W119

Anti-Spatter Spray



O0184

Ar/O<sub>2</sub> - Argon 98% & Oxygen 2% Disposable Cylinder



O0185

CO<sub>2</sub>/Ar - 86% Argon & 14% Carbon Dioxide Disposable Cylinder



O300

Gas Refillable Cylinder



O304

Gas Refillable Cylinder



O3045

Gas Refillable Cylinder



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O302  
Gas Refillable Cylinder



O306  
Gas Refillable Cylinder



O3065  
Gas Refillable Cylinder



O0171  
Argon Gas Regulator



W160A  
Argon Gas Regulator-Twin Gauge



W161  
Argon Gas Regulator-Bobbin Flowmeter



W001  
Auto Darken Welding Helmet - 9~13 Shade



W002  
Auto Darken Welding Helmet - 9~13 Shade



W100  
ROGUE™ Heavy Duty Welding Gloves - 400mm



W1000A  
Promax HV5 Welding Jacket



W1001A  
Promax Blue FR Welding Jacket



W1002A  
Professional Promax BL7 Welding Jacket

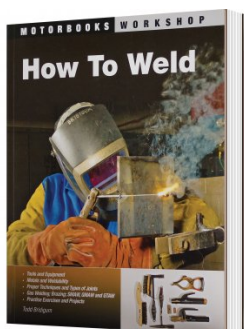




## Product Brochure For W1785

**L3456**

How to Weld Book



**W225**

Welding Curtain



**W138**

Ø0.6mm Mild Steel MIG  
Welding Wire



**W140**

Ø0.8mm Mild Steel MIG  
Welding Wire



**W138A**

Ø0.6mm Mild Steel MIG  
Welding Wire



**W140A**

Ø0.8mm Mild Steel MIG  
Welding Wire



**W142**

Ø0.9mm Mild Steel MIG  
Welding Wire



**W145C**

Ø0.8mm Gasless Mild Steel  
MIG Welding Wire



**W145A**

Ø0.9mm Gasless Mild Steel  
MIG Welding Wire



**W145B**

Ø0.8mm Gasless Mild Steel  
MIG Welding Wire



**W145**

Ø0.9mm Gasless Mild Steel  
MIG Welding Wire



**W144A**

Ø0.8mm Aluminium MIG  
Welding Wire



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**W144B**

Ø0.9mm Aluminium MIG  
Welding Wire



**W144C**

Ø1.0mm Aluminium MIG  
Welding Wire



**W144D**

Ø1.2mm Aluminium MIG  
Welding Wire



**W143**

Ø1.0mm Aluminium MIG  
Welding Wire



**W144**

Ø1.2mm Aluminium MIG  
Welding Wire



**W2021**

HYPERARC™ 6013 GENERAL  
PURPOSE



**W546**

10 x 0.6mm Contact Tips - Steel



**W548**

10 x 0.8mm Contact Tips - Steel



**W549**

10 x 0.9mm Contact Tips - Steel



**W549A**

10 x 0.9mm Contact Tips -  
Aluminium



**W550**

10 x 1.0mm Contact Tips - Steel



**W550A**

10 x 1.0mm Contact Tips -  
Aluminium



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### W552

10 x 1.2mm Contact Tips - Steel



### W552A

10 x 1.2mm Contact Tips - Aluminium



### W539

0.6-0.8mm Blue Steel Liner



### W538

1.0-1.2mm Red Steel Liner



### W567

1.0-1.2mm Red Aluminium Liner



### W560

2 x Conical Nozzles



### W562

2 x Contact Tip Holders



### W562A

Swan Neck Assembly



### W08450

FIXTURE TABLE



### W08500

40pc Square & Round Welding Table Clamp Kit



### W08510

Weld Clamps with Locking Nuts (2 Piece Pack)



### C103

228mm Multi-Purpose Locking Clamp



## Product Brochure For W1785

### W08512

Weld Clamps with Locking Nuts  
 (2 Piece Pack)



### W08515

38mm x M12 Multi-Purpose  
 Riser/Stops (Spigot Type) - 4pc  
 Pack



### V099

90 degree Angle Vice Clamp



### V100

90 degree Angle Vice Clamp

