

Product Brochure For W242

# MIG/TIG/MMA WELDER - VIPER MULTI 185

#U11260

30-180 Amps Welding Current Range

**On Sale**

Ex GST

Inc GST

~~\$1,303.48~~

~~\$1,499.00~~

**\$1,230.43**

**\$1,415.00**



ORDER CODE:	W242
MODEL:	VIPER MULTI 185
Type:	MIG / TIG / STICK & Multifunction Welder
Part Number:	U11260
Voltage (V):	240
Recommended Plug Amperage (amp):	10
Welding Current Range - MIG (amp):	30 - 185
Welding Current Range - STICK (amp):	20 - 180
Welding Current Range - TIG (amp):	20 - 185
Duty Cycle (% @ amp):	10 @ 185 MIG
Wire Spool Size (kg):	1 & 5
Ferrous Wire Size - Range (mm):	0.6 - 1.0
Stainless Steel Wire Size - Range (mm):	~
Aluminium Wire Size - Range (mm):	~
Recommended Generator (KVA):	10
Dimensions (mm):	523 x 214 x 388
Nett Weight (kg):	13.5



## Description

Now with single pulse MIG, the VIPER MULTI 185 is the perfect multi-process machine for all those home repairs and hobby projects you've got planned.

### Key Features

4.3" Colour LCD Interface

Change settings with ease with the intuitive controls and next-generation user interface.

### Smart Fan

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

### Power Factor Correction (PFC)

Get the most out of your machine. The PFC maximises the electrical efficiency of the machine and automatically compensates for any voltage fluctuations, so you get more output power and the internal components last longer.

### Job Memory

The job memory function allows you to enter and store weld parameter settings. Weld parameters can be further adjusted and stored as required. A total of 10 Jobs can be memorised and stored for recall.

### Generator Compatible

Going off the grid? The VIPER MULTI 185 can be connected to a generator, we recommend one with at least 10kVA.

### IP21S Rating

Rated IP21S, so it's protected from touch by fingers and objects greater than 12mm, and water spray from a vertical direction.

### Foot Control Ready

Enjoy greater control and precision with our optional foot control accessory. This handy feature allows you to easily adjust your TIG amperage on the fly, without interrupting your torch movement.

### MIG Features

#### Single Pulse MIG

Less spatter. Lower heat. Smoother results. Streamline your welds with the single pulse functions.

A single pulse weld alternates between a peak and base current, which works to minimise the amount of heat input without compromising on any of the penetration. The addition of a base current and reduction in heat means it's perfect for softer materials like aluminium. Pulse welding is also done by spray transfer, eliminating spatter and cutting your post-weld clean-up time.

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### MIG Smart-Set

Setting up for a weld has never been easier, just set your wire material and size, gas, and joint type and you're ready to weld!

### Complete MIG Weld Cycle Control

Get complete control over your MIG welds with a full set of adjustable parameters, such as pre- and post-gas flow, inductance, and burnback.

### Spool Gun Ready

Make welding aluminium even easier. No need to change your existing setup. The spool gun lets you quickly switch over and get any job done with no downtime.

### Adjustable Arc Length

Get absolute precision on your settings. The adjustable arc length allows you to increase or decrease the preselected voltage while in synergic and pulse MIG modes.

### Burnback Adjustment

Stop your wire from ever fusing with your weld or your contact tips again. Tune your burnback control to suit how much wire you want to remain sticking out from your torch when you finish a weld.

### Gas-Shielded & Gasless Wires

This machine supports both gas-shielded MIG and gasless MIG, meaning you can run mild steel, stainless steel, aluminium as well as flux-cored MIG wires.

### Inductance Control

Change the frequency of your short circuit MIG welds with the Inductance settings, so you can choose your preferred arc characteristics.

### Geared Wire Drive

This machine features a geared roller drive unit, providing consistent and smooth wire feed, and it helps when using longer MIG torches.

### TIG Features

#### TIG Smart-Set

The easiest way to set up for a TIG weld, simply set your filler material, joint type, tungsten diameter, material thickness, and gas and you're good to go!

#### 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.

### MMA Features

#### Hot Start

The Hot Start feature gives a boost of current at the beginning of your weld, stabilising your ignition and eliminating any issues with striking an arc, especially on difficult electrodes.

#### Arc Force

The Arc Force feature helps to keep the arc stabilised throughout the weld, by increasing or decreasing the peak current to compensate for your arc length, preventing the arc from cutting out or the electrode from sticking.

#### Anti Stick

The Anti Stick feature, which is always on, prevents your electrode from sticking to your workpiece. When the machine detects sticking, the current will drop significantly, so the electrode can be removed.

## Features

- Single pulse MIG programs & high-frequency DC TIG
- MIG Smart-Set weld modes for complete synergic setups
- 10 amp plug, so you can use it with any domestic outlet
- Dinse Connector: 35/50
  
- Welds:
  - MIG: Mild Steel, Stainless Steel, Aluminium, Silicon Bronze
  - MMA: Mild Steel, Stainless Steel, Cast Iron
  - TIG: Mild Steel, Stainless Steel, Copper, Silicon Bronze, Titanium
  
- MIG Welding Thickness Range: 1-10mm
- TIG Welding Thickness Range: 1-6mm
  
- STICK Electrode Range: 2.5-4.0mm
- STICK Welding Thickness Range: 2-10mm

## Includes

- VIPER MULTI 185 Welder
- 3m M26 MIG Torch
- 3m Twist Lock Electrode Holder
- 3m 300 Amp Earth Clamp & Lead
- Argon Regulator
- 1.8m Quick-Connect Gas Hose
- 9-to-9 Pin TIG Torch Adapter
- Operating Manual
- 0.8-0.9mm V Groove Roller

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- 0.8-0.9mm F Groove Roller
- 1.0-1.2mm U Groove Roller

### Recommended Accessories

#### W5518

Binzel Style M8 0.8mm Contact  
Tips - Steel



#### W5519

Binzel Style M8 0.9mm Contact  
Tips - Steel



#### W5520

Binzel Style M8 1.0mm Contact  
Tips - Steel



#### W5520A

Binzel Style M8 1.0mm Contact  
Tips - Aluminium



#### W5521A

Binzel Style M8 1.2mm Contact  
Tips - Aluminium



#### W5522

Binzel Style 38 Conical Gas  
Nozzles



#### W5523

Binzel Style DM26 Tip Holders  
M8



#### W5524

Binzel Style DM26 gas diffusers  
M8



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W241  
Universal Welder Trolley



W2415  
TRI-CART Multi-Machine  
Welding Trolley



W10362  
Magnetic MIG Torch Rest



W1140D  
Argon Gas Regulator-Twin  
Gauge



W001  
Auto Darken Welding Helmet -  
9-13 Shade



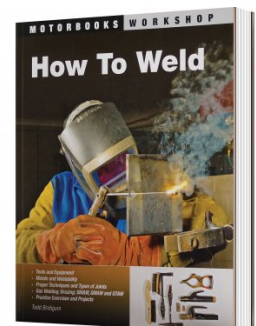
W002  
Auto Darken Welding Helmet -  
9-13 Shade



W100  
ROGUE™ Heavy Duty Welding  
Gloves - 400mm



L3456  
How to Weld Book



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



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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

