

# CIGWELD

AN **ESAB** BRAND

## WeldSkill 155 / 185



**MIG**  
**STICK**  
**TIG**

📷 📺 📱 📺 | [CIGWELD.COM.AU](http://CIGWELD.COM.AU)

OUTPUT CURRENT  
**155A**  
DC

OUTPUT CURRENT  
**185A**  
DC

SPOOL GUN  
COMPATIBLE\*  
WELDSKILL 185 ONLY

PLUG & PLAY  
240V 10A

WARRANTY\*  
**2**  
YEARS

This CIGWELD WeldSkill 155 and 185 offer the many benefits of a professional welding machine in a compact, portable, easy to use and affordable self-contained single phase welding inverter.

Ideal for welders who want to do light fabrication, maintenance and repairs or DIY around the home without compromising on quality or safety.

These Multi process welding inverters are capable of performing MIG (FCAW/GMAW), Stick (MMAW) and Lift TIG (GTAW) welding processes.

The WeldSkill 155 and 185 are backed by a 2 year warranty\* and fitted with a 10 Amp plug, meaning you can plug it into any standard 10amp power point and get welding!

Both units are equipped with digital voltage and amperage meters, an integrated wire feed unit, Voltage Reduction Device (VRD applicable in stick mode only), quick connect gas connection and a host of other features.

For more intricate welding jobs, especially Aluminium, you can't go past the WeldSkill 185 which is specifically built to run the SGT250 spool gun!

And most importantly the two models comply to Australian Standard AS 60974.1 and IEC 60974-1.



## SPECIFICATIONS

SPECIFICATIONS	WELDSKILL 155	WELDSKILL 185
Plant Part No.	W1008155	W1008185
Power Source Dimensions	371mm x 205mm x 478mm	371mm x 205mm x 478mm
Power Source Weight	13.7kg	13.7kg
Cooling	Fan Cooled	Fan Cooled
Welder Type	MIG, STICK, LIFT TIG Inverter Power Source	MIG, STICK, LIFT TIG Inverter Power Source
Standards	AS 60974.1-2006 / IEC 60974-1	AS 60974.1-2006 / IEC 60974-1
Number of Phases	Single Phase	Single Phase
Nominal Supply Voltage	240V AC +/- 15%	240V AC +/- 15%
Nominal Supply Frequency	50/60Hz	50/60Hz
Nominal DC Open Circuit Voltage (MIG Weld Mode)	69V (Trigger Switch Depressed when not welding)	69V (Trigger Switch Depressed when not welding)
Factory Fitted Supply Plug Rating	10 Amps	10 Amps
Open Circuit Voltage (VRD On) Stick Weld Mode	<35V	<35V
Effective Input Current (I <sub>1eff</sub> )	10 Amps	10 Amps
Maximum Input Current (I <sub>1max</sub> )	27 Amps	33Amps
Minimum Single Phase Generator (Recommended)	8kVA at 0.8 PF	10kVA at 0.8 PF
Protection Class	IP21S	IP21S
MIG (GMAW) Welding Output, 40°C, 10 min.	155 A @15%, 21.8V	185 A @10%, 23.3 V
STICK (MMAW) Welding Output, 40°C, 10 min.	135 A @ 15%, 25.4 V	160 A @ 10%, 26.4 V
TIG (GTAW) Welding Output, 40°C, 10 min.	135 A @ 25%, 15.4 V	160 A @ 20%, 16.4 V
Warranty	2 Year Limited Warranty*	2 Year Limited Warranty*



**“Lightweight, Portable and Powerful! The perfect 3-in-1 DIY unit to get any job done quickly and accurately!”**



**SPOOL GUN CONNECTIVITY (185 Only)**  
Perfect for use with a Tweco SGT250 Spool Gun for all those intricate Aluminium builds, repairs and maintenance.

## FEATURES



**PLUG & PLAY** - Suitable for use with any standard 10 Amp power point! 240 Volt, 50/60Hz, 10 Amp Supply Lead Fitted to Power Source



**3 IN 1 Multi-Process**  
A true multi-process machine offering outstanding welding results across MIG, Stick TIG



**Current Range:**  
155: 30 to 155A (MIG Mode)  
185: 30 to 185A (MIG Mode)  
Provides DC Output



**Integrated Wire Feed Unit**  
Spools up to 5kg or 200mm



**Digital Amperage and Voltage Meters**



**Adjustable Burnback Control**  
Used to adjust the amount of MIG wire that protrudes from the MIG torch after the completion of MIG welding. (commonly referred to as stick out)



**Arc Control (Inductance)**  
The arc control operates in MIG (GMAW/ FCAW) mode only and is used to adjust the intensity of the welding arc



**Anti-Stick**  
Helps to prevent the stick electrode from sticking to the work piece



**Hot Start**  
Improves the arc start characteristics of stick electrodes



**Voltage Reduction Device**  
Standards Compliant Voltage Reduction Device (Stick Mode Only)



**Integrated Wire Feed Unit**  
Spools up to 5kg or 200mm



**Euro Torch Connection**



**Maximum MIG Wire Size:**  
0.9mm: Solid & Gasless,  
1.0mm: Aluminium  
0.9mm: Stainless Steel



**Electrode Sizes:**  
155: 2.0mm, 2.5mm, 3.2mm  
185: 2.0mm, 2.5mm, 3.2mm, 4.0mm



**DC Lift TIG function:**  
This unit features a Lift TIG function that provides smooth starting and running characteristics across a broad range of applications.



**SGT250 Spool Gun Compatible (185 ONLY)**  
Ideal for Aluminium Fabrication, Repairs and Auto/Marine work. Compatible with Tweco SGT250 Spool Gun



**Recommended Generator**  
10KVA (at 0.8 Power Factor)\*  
\*Refer to operating manual for further information



**Over Temperature Protection**  
Cut out protection has been fitted to the power source



**Compliance**  
Fully compliant to AS 60974.1-2006  
Enclosure rated to IP21S



**Warranty**  
2 Year Warranty\* on Power Source  
\*Refer to operating manual for further details



**Wire Type**  
Suitable for Gas and Gasless Wires

# CIGWELD

AN ESAB BRAND

## WeldSkill 155 / 185



### PACKAGE CONTENTS

- WeldSkill Power Source 13.7kg
- MIG Torch with Euro Connection, 3m
- Twistlock Electrode Holder with 3m Lead
- CutSkill Argon Regulator/Flowmeter
- Work Clamp with 3m Lead
- Shielding Gas Hose Assembly, 3m
- Feed Rolls: 0.8/0.9mm Flux Cored (Fitted), 0.8/0.9mm V Groove
- Contact Tip: 0.8mm (Fitted)

Operating Manual can be downloaded at [cigweld.com.au/manuals](http://cigweld.com.au/manuals)

### OPTIONAL ACCESSORIES

#### WeldSkill 155

E-180 MIG Torch (included with package)	W4018800
TIG Torch 17V, Flex Neck, 3m lead with 50mm <sup>2</sup> dinse	W7003021
TIG Torch Accessory Kit for 17, 18 & 26 TIG Torches	BGSAK2
MIG Pliers	WSPLIER
WeldSkill Welding Equipment Trolley	W4011501
WeldSkill Heavy Duty Welding Gloves	646755
WeldSkill Gasless Wire, 4.5kg 0.9mm	WG4509
WeldSkill Solid Wire, 5kg 0.9mm	WS5009
Autocraft AL5356 1.0mm 2kg = 1 Spool	721224
CutSkill Argon Regulator 55LPM 2 Gauge VI	210254

#### WeldSkill 185

E-180 MIG Torch (included with package)	W4018800
TIG Torch 17V with 4m lead & gas valve suits WS185, TM175i+, TM220i, TM255i, TM185 Ultra	W4013801
Autocraft AL5356 0.9mm 0.5kg Aluminium Minispool	721223
TIG Torch Accessory Kit for 17, 18 & 26 TIG Torches	BGSAK2
Tweco SGT250 Spool Gun	W4011250
MIG Pliers	WSPLIER
WeldSkill Welding Equipment Trolley	W4011501
WeldSkill Heavy Duty Welding Gloves	646755
WeldSkill Gasless Wire, 4.5kg 0.9mm	WG4509
WeldSkill Solid Wire, 5kg 0.8mm = 1 Handispool	WS5009
Autocraft AL5356 1.0mm 0.5kg Aluminium Mini Spool	721224
CutSkill Argon Regulator 55LPM 2 Gauge VI	210254



CIGWELD Pty Ltd An ESAB Brand 71 Gower Street, Preston VIC 3072 Australia  
Customer Care: Tel: 1300 654 674 Fax: 03 9474 7391 | Email: [enquiries@cigweld.com.au](mailto:enquiries@cigweld.com.au)  
International Enquiries: Tel: +61 3 9474 7508 Fax: +61 3 9474 7488



[CIGWELD.COM.AU](http://CIGWELD.COM.AU)

In the interest of continuous improvements, CIGWELD Pty Ltd ABN 56 007 226 815 (An ESAB Brand) reserves the right to change specifications or design on any of its products without prior notice.

VER 03-10-21

**WE RECOMMEND GENUINE  
CIGWELD PRODUCTS**

BIGGEST RANGE AND THE BEST QUALITY, WITH GUARANTEED PERFORMANCE.

