

AN ESAB BRAND

MULTI PROCESS WELDING INVERTER

# WeldSkill

## 155 185

- MIG, STICK, TIG Welding Inverter
- Plug & Play – runs on any 10 Amp power point
- Digital Amperage and Voltage Meters
- SGT250 Spool Gun Compatible (WeldSkill 185 Only)
- Designed specifically for the home handyman/tradesman



# WeldSkill 155

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 are fully compliant to Australian Standards AS 60974.1 and IEC 60974-1.



**“ Easy to setup & dial in with the end weld result being a smooth run and a neat bead profile ”**

~ Gold Coast TAFE - QLD ~

## 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



**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



Euro Torch Connection



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.



Suitable for Gas and Gasless Wires



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



Spool Gun Capable (185 Only) Ideal for Aluminium Fabrication, Repairs and Auto/Marine work. Compatible with Tweco SGT Spool Gun.



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.



Standards compliant Voltage Reduction Device Virtually eliminates electric shocks when not welding (Stick Mode)



Over Temperature Cut Out Protection has been fitted to power source



Fully Compliant to AS 60974.1-2006. Enclosure rated to IP21S.



2 Year Limited Warranty\*:  
\*Refer to operating manual for further details.

## SPECIFICATIONS

DESCRIPTION	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 (I1eff)	10 Amps	10 Amps
Maximum Input Current (I1max)	35 Amps	40 Amps
Minimum Single Phase Generator Recommendation	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



# WeldSkill 185



**"Compact MIG gun is great for tight area's with limited space"**

## SPOOL GUN CONNECTIVITY (185 Only)

Perfect for use with a Tweco SGT250 Spool Gun for all those intricate Aluminium builds, repairs and maintenance.



## PACKAGE CONTENTS WELDSKILL 155/185

WeldSkill Power Source 13.7kg

E-180 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



## WELDSKILL INVERTER RANGE

**WeldSkill  
140**  
STICK, TIG

**WeldSkill  
180**  
STICK, TIG

**WeldSkill  
200 HF**  
STICK, HF TIG

**WeldSkill  
155**  
MIG, STICK, TIG

**WeldSkill  
185**  
MIG, STICK, TIG

**WeldSkill  
200 AC/DC**  
STICK, HF TIG



## OPTIONAL ACCESSORIES

### WeldSkill 155

E-180 MIG Torch (included with package)	W4018800
TIG Torch 17V with 4m lead, flex neck, gas valve	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

For a complete range of optional accessories please speak with your local authorised CIGWELD distributor.

### WeldSkill 185

E-180 MIG Torch (included with package)	W4018800
TIG Torch 17V with 4m lead, gas valve	W4013801
TIG Torch 17V with 4m lead, gas valve & remote control	W4013800
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 0.9mm	WS5009
Autocraft AL5356 1.0mm 0.5kg Aluminium Mini Spool	721224

## WE RECOMMEND GENUINE CIGWELD PRODUCTS



THE BIGGEST RANGE AND THE BEST QUALITY, WITH GUARANTEED PERFORMANCE.



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