

CIGWELD

AN **ESAB** BRAND

WeldSkill

MicroArc 140



STICK

TIG

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OUTPUT CURRENT
140A
DC

INPUT SUPPLY

240V 10A

STICK

ELECTRODE
3.2mm MAX

LIFT TIG


WARRANTY*
1
YEAR

microArc

The MicroArc140 as the name suggests, is an extremely neat and compact welding inverter. Weighing in at a slight 3kg in the hand and sized at only 100mm Wide and 185mm High on your bench, this little gem is conveniently thrown over the shoulder and taken wherever you need to go.

With adjustable welding current from 10 to 140 amps, and adjustable Hot Start and Arc Force, you have the flexibility to run standard general purpose 2.5mm electrodes for light gauge work (less than 3.0mm plate) and 3.2mm electrodes for heavier metals.

The MicroArc 140 also has a lift TIG function that offers stable TIG welding characteristics at 140A@20% when used with a suitable TIG torch and argon shielding gas.

With a 10Amp plug and 3m twist lock electrode holder and work lead, its hard to go past the MicroArc140 as your lightweight portable welder of choice around the workshop or out on the job site



“ With a 10Amp plug and 3m twist lock electrode holder and work lead, its hard to go past the MicroArc140 ”

FEATURES



Input Supply
240 Volt, 50/60Hz, 10 Amp Supply
Lead Fitted to Power Source.



Current Range
Current Range for this Power Source is 10 to 140A Power Source provides DC welding output.



STICK (MMAW): 140A @ 15%
Power Source is suitable for 2.0mm, 2.5mm, and 3.2mm electrode sizes. Suitable for all electrode types except AWS E6010 Cellulose.



DC Lift TIG: 140A @ 20%
This unit features a Lift TIG function that provides smooth starting and running characteristics across a broad range of applications.



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



Adjustable Hot Start
Improves the arc start characteristics of stick electrodes.



Adjustable Arc Force
Assists when stick welding in a tight corner or joint fit-up.



MICRO Size & Portability
A micro 3kg inverter in a compact 100W x 185H x 252L case with carry strap.



Generator
Recommended generator required:
6.0kW (7.5kVA @ 0.8 PF).



Twistlock Electrode Holder
Allows the electrode to be locked securely in place.



Electrode Holder & Lead
3m Long Electrode Holder & Work Leads.



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



Compliance
Fully compliant to AS 60974.1-2020
Enclosure rated to IP21S.



Warranty
1 Year Warranty* on Power Source *Refer to Operation Manual for full details.

WHAT DIFFERENTIATES THE MICROARC 140 FROM THE PACK?

SMALL SIZE & PORTABILITY – A micro 3Kg inverter in a compact 100W x 185H x 252D case with carry strap.

DIGITAL BLUE LED AMP METER - Bright Blue LED's allow for accurate setting and improved visibility of the welding amperage even outdoors & in bright light conditions.

ADJUSTABLE HOT START – Improves the arc start characteristics of stick electrodes

ADJUSTABLE ARC FORCE – Assists when stick welding in a tight corner or joint fit-up.

TWISTLOCK ELECTRODE HOLDER – Allows quick electrode change overs and locks rods securely in place for welding.



TIG Torch pictured not included. Available as optional accessory



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SPECIFICATIONS

Plant Part Number	W1008162
Power Source Dimensions	100mm W x 185mm H x 252mm D
Power Source Mass	3KG
Cooling	Fan Cooled
Welder Type	Stick and Lift TIG Multi Process Inverter Power Source
Australian Standard	AS 60974.1-2020
Number of Phases	Single Phase
Nominal Supply Voltage	240V AC \pm 10%
Nominal Supply Frequency	50/60 Hz
Welding Current Range	10 - 140 A
Nominal DC Open Circuit Voltage	71V

Effective Input Current (I_{eff})	10 Amps
Maximum Input Current (I_{1max})	26 Amps
Minimum Single Phase Generator Recommendation	6.0 kW (7.5 kVA @ 0.8 PF)
STICK (MMAW) Welding Output, 40°C, 10 min.	140A@15%, 25.6V 70A@60%, 22.8V 54A@100%, 22.2V
TIG (GTAW) Welding Output, 40°C, 10 min.	140A@20%, 15.6V 81A@60%, 13.2V 63A@100%, 12.5V
Protection Class	IP21S

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MicroArc 140



PACKAGE CONTENTS

WeldSkill MicroArc 140 Plant W1008162

WeldSkill MicroArc 140 Power Source

3m Twistlock Electrode Holder Lead

3m Work Lead

Shoulder Strap

OPTIONAL ACCESSORIES

WeldSkill Auto Darkening Helmet Shade 9-13 - Flaming Skull	454335
WeldSkill Auto Darkening Helmet Shade 9-13 - Pink Lady	454336
ProLite Auto Darkening Helmet Variable Shade 9-13 - Matrix 1.0	454344
ProLite Auto Darkening Welding Variable Shade 9-13 - Claw	454333
WeldSkill Heavy Duty Welding Gloves - Medium	646766
WeldSkill Heavy Duty Welding Gloves - Large	646755
WeldSkill Heavy Duty Welding Gloves - XL	646767
WeldSkill TIG Welding Gloves - Medium	646768
WeldSkill TIG Welding Gloves - Large	646754
WeldSkill TIG Welding Gloves - XL	646769

TIG Torch 17V, 3m lead with 25mm ² dinse	W7003006
TIG Torch Accessory Kit	BGSAK2
CutSkill Argon Preset Regulator Vertical Inlet	201021
CutSkill Flowmeter Argon 0-30 LPM	201710
CutSkill Preset Argon Regulator / Flowmeter Side Inlet	201031
WeldSkill Welding Leadset 4m, 16mm ² cable, 25mm ² dinse, 250A Twistlock Electrode Holder	WS41625
CIGWELD Welding Leadset 5m, 16mm ² cable, 25mm ² dinse, 250A Twistlock Electrode Holder	646323
WeldSkill GP Electrodes 2.5mm (1kg)	WEG1025
WeldSkill GP Electrodes 3.2mm (1kg)	WEG1032
Comweld 316L TIG Rod 1.6mm (25 rod handypack)	322054



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GENUINE CIGWELD**

BIGGEST RANGE, BEST QUALITY & GUARANTEED PERFORMANCE

