

MIG-180i



Quick Specs



Light Industrial Application:
Thin sheet metal fabrication
Car repairs
Agriculture
Shipyards and offshore industry
Installation and set-up
Repair and maintenance

Process:
MAG(GMAW)
MIG (GMAW)
Stick (SMAW)

Input Power: 230V, 1-Phase
Amperage Range: 30-180A
Rated Output at 40°C (104°F): 180A at 24V @60% Duty Cycle
Weight: 11 KG

For MIG and Stick Welding

Easier welding and economical choice

MIG-180i is a very simple MIG/MAG welding machine, very easy to use even if without any experience, Super mobility of weight 11kg can let you do welding everywhere. Get in an economical cost it can also bring you MMA process so it could be also used for electrodes. Based on inverter system, Mig-180i offering fast arc response and precise arc ignition, also saves up to 50% on input power and increases tack and welding speed to twice that of traditional welding rectifiers.

Specialist Features

Precision Arc Performance:

- **The short-circuiting metal transfer mode** is the low heat input mode of metal transfer for GMAW so that it reduces weldment distortion.
- **Superior MAG Process** – Welds with mixed or CO2 shielding gas for superior quality welding.
- **Reliable 2-rolls wire-feeder** provides a stable wire speed.
- **Super Mobility** – It is easy for independence of movement in and around workshop or site.
- **Fast, precise, clean arc ignition and arc ending.**



Outstanding Quality:

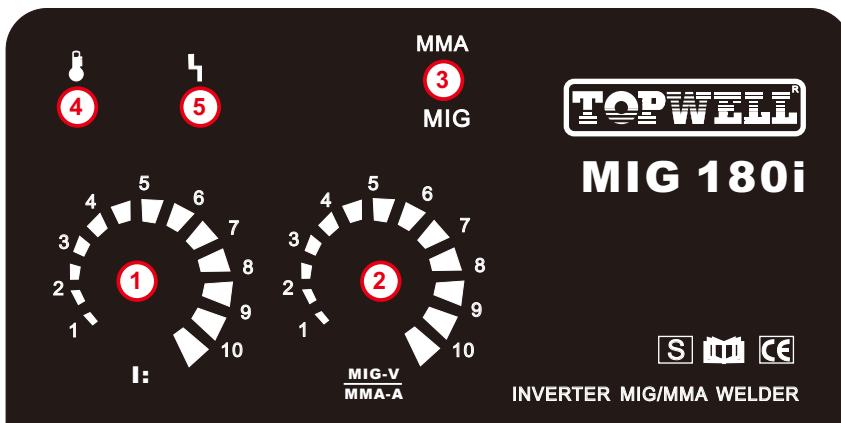
- Newly designed using the latest power electronic technology for improved reliability.
- CE Certified.
- One-Year Warranty on parts.



Technical specifications

Item No	MIG-180i
Rated Input Voltage	1PH ~ 230V \pm 15%
Max. Load Power Capacity	6.1KVA
Rated Duty Cycle(40oC)	60%
	MIG: 180A/24V
	MMA: 180A/27.2V
	100%
	MIG: 150A/21.5V
	MMA: 150A/26V
Welding Current/Voltage Range	MIG: 30A/15.5V~180A/24V
	MMA: 30A/21.2V~180A/27.2V
Open Circuit Voltage	MIG: 70V
	MMA: 70V
Power Factor	0.73
Efficiency	80%
Pre-Gas Time	0-15S
Flow-Gas Time	0-15S
Wire-feed Mechanism	2 Rollers
Wire-feed Speed Range	1-13m/min
Wire Spool Capacity	200mm (5kg)
Filler Wires \varnothing (mm) Fe solid wire:	0.6~1.0mm
Fe cored wire:	0.8~1.0mm
Dimension	450x205x340mm
Weight	11KG

General View of Control Panel

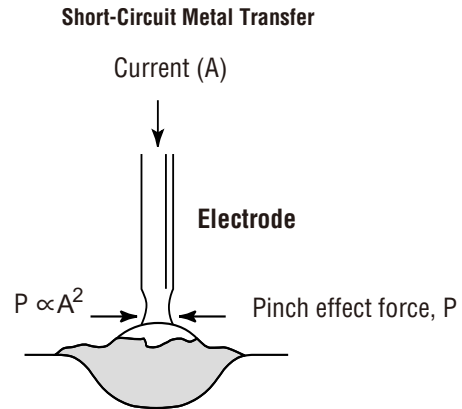


Control Panel Parameter Values

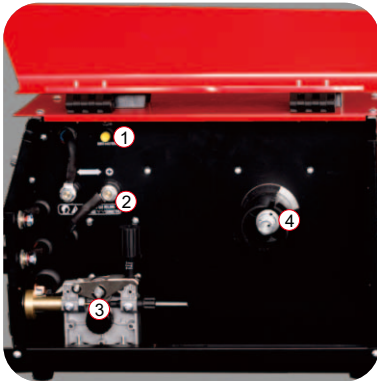
1. Welding Current regulator.
2. Welding Voltage regulator.
3. MMA/MIG welding mode selection.
4. Power/working pilot lamp.
5. Work Error pilot lamp.

The short-circuiting metal transfer mode

The short-circuiting metal transfer mode is the low heat input mode of metal transfer for GMAW and has higher electrode efficiencies, 93% or more. The low heat input reduces weldment distortion and makes it ideal for sheet metal thickness materials.



Wire-feeder



1. Wire-inching button
2. Plug for change the output +/- polarity, used for solid wire or flux coated wires.
3. Wire-feeder
4. 1KG/5KG wire spool holder

Super mobility

For independence of movement in and around workshop or site.



Accessories

For Standard accessories



MIG torch: MB15AK

Euro Connector
Cable length 3M



Electrode holder with cable 2M
Earth clamp with cable 2M

For Optional accessories



Argon/CO2 gas regular with heater

Output meter :1-30LPM
Inlet pressure gauge:280kg/4000psi
Out thread :M12-1.ORH(M)



TIG torch: WP-26

Gas connector:M16
Cable length 4M
5-pin control coupler



Spool gun: QLBF-200/8M

Consumables

For MIG torch: MB15AK



Nozzles

ICS0062 Gas nozzle 9.5mm
ICS0063 Gas nozzle 12mm
ICS0064 Gas nozzle 16mm
ICS0070 Spot welding gas nozzle 16mm
ICS0711 Tapered gas nozzle 13mm



Contact Tips

ICU0003-06 Contact tip 0.6mm M6x25 Ecu
ICU0003-58 Contact tip 0.8mm M6x25 CuAl
ICU0003-60 Contact tip 1.0mm M6x25 CuAl
ICU0003-78 Contact tip 0.8mm M6x25 CuCrZr
ICU0003-80 Contact tip 1.0mm M6x25 CuCrZr



Replacement Lines

IIC0220 Brass terminal 2.0X4.0mm 0.35m
IIC0100 Teflon liner 4.0X1.5mm 3m Blue
IIC0500 Blue liner 0.6-0.8mm 3m

Others



5-pin connector



Drive Roll

Fe 0.6/0.8 mm
Fe 0.8/0.9 mm
Fe 0.8/1.0 mm
Fe 1.0/1.2 mm