



MobiMIG 180 K.

The portable genius!



MobiMIG 180 K.

The portable genius!

The MobiMIG 180 K is the ideal machine for nearly all kinds of welding jobs on site, in the workshop or at your customer.

Thanks to the small dimensions and the low weight the MobiMIG 180 K is the perfect tool for service work. The following welding processes can be selected:

- MIG/MAG welding
- TIG DC welding
- MMA/stick electrode welding
- Core wire welding (gasless)
- MIG brazing
- ColdMIG process (option)



1. MIG/MAG welding



2. MMA/stick electrode welding



3. TIG DC welding

Easy to operate:

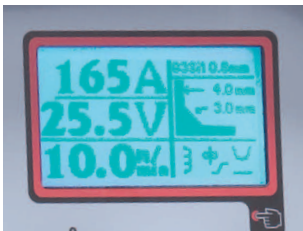
- Continuous energy control
- Synergic operation, one-button-control
- Proven welding programs for diverse materials and wire diameters
- Large digital display for current, voltage, wire feed speed and throat
- Adjustable choke
- Adjustable wire burn back and creep start



Energy control at the TEDAC® torch



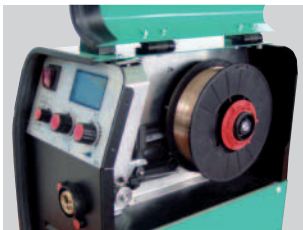
Euro torch connector



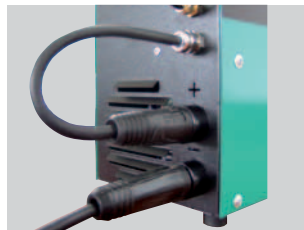
Digital display for all parameters



Rubber edge protection



Easy access for changing of the wire spool (D 200/5)



Quick polarity change for welding of gasless core wires

Technical data

MobiMIG 180 K

| | |
|---------------------------|---|
| Power supply | 1 x 230 V, 50/60 Hz |
| Prim. continuous power | 3.7 kVA |
| Prim. continuous current | 16 A |
| Welding current (MIG/MAG) | 25 - 180 A |
| Welding current (MMA) | 25 - 160 A |
| Welding current (TIG) | 10 - 180 A |
| Duty cycle 20 % (10 min.) | 180 A (40 °C) |
| Duty cycle 60 % (10 min.) | 110 A (40 °C) |
| Protection class | IP 23 |
| Programs | MIG/MAG, MMA/stick electrode, TIG DC, option: ColdMIG |
| Energy adjustment | at the machine, at the TEDAC torch |
| Arc length | synergic one-button-operation, automatic energy control |
| Display | for all parameters |
| Power source | inverter |
| Wire feed system | 2-roller-drive DV-21 0.5 - 20 m/min. |
| Reel hub assembly | D200/5 |
| Norm | EN 60974-1 „S“ / CE |
| Weight | 17 kg |
| Dimensions | 450 x 210 x 480 mm |

Technical changes reserved.

The ColdMIG process (option)

The Merkle ColdMIG process sets new standards in welding. With as much as 30 % less heat input thin metal sheet welding (0.6 – 3.0 mm) is achieved to perfection.

The high gap bridging capacity and optimum welding facility of mixed materials and coated sheet metals are other world class features. The ColdMIG process is available as an option for the MobiMIG 180 K.





Create your future successfully.

With Merkle. Your specialist for welding units, welding machines, torches and intelligent automation systems. With own subsidiaries and Merkle dealers in Germany, Europe and many other countries throughout the world.

Welcome to Merkle.

- MIG/MAG Welding Units
- Synergic Pulse Welding Units
- TIG Welding Units
- MMA / Stick Electrode Welding Units
- Plasma Welding and Cutting Units
- Turntables and Roller Drive Units
- Welding and Cutting Torches
- Automation Components and Solutions
- Merkle Robotics

www.merkle.de