



# LiteARC 180

**MMA/Stick Electrode Inverter – small, light, high performance!**



LiteARC 180

# SMALL AND LIGHT WITH HIGH PERFORMANCE



#### ■ Hotstart function:

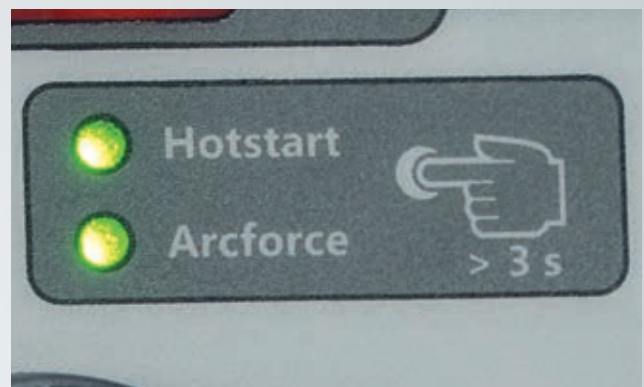
Increasing of the start current to assure a safe ignition. The hotstart current and time are adjustable.

#### ■ Arcforce:

Increasing of the welding current in order to avoid adherence of the electrode.

#### ■ Antistick:

In case of adherence of the electrode, the current is switched off immediately. Re-ignition after separation is only possible with a short delay.



**The new Merkle LiteARC 180 has been designed and built on latest inverter technology; this guarantees the best requirements for optimum welding performance.**

Whether for welding work with a customer, in the service industry or in your own workshop: The LiteARC 180 always offers you sufficient welding power up to 180 A\* using the standard single phase supply of 230 V. Fine details such as the plastic/metal casing, the large 50 mm<sup>2</sup> professional sockets or the optimal handling thanks to the carry/shoulder strap and the 5 m long mains cable, this machine offers a professional configuration in a compact format.



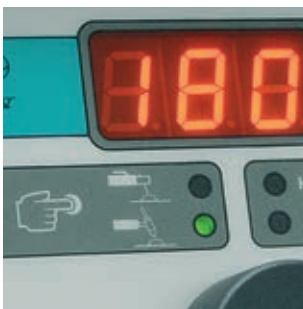
**Digital display for welding current**

Continuous adjustment of the welding current up to 170 A\* (MMA/electrode), resp. 180 A\* (TIG) with digital display.



**Optimal Handling**

Maximum mobility thanks to the carry/shoulder strap provided. Small, light, handy, portable, only 5.0 kg.



**LiftTIG ignition**

TIG welding up to 180 A\* with LiftTIG ignition.



**Professional connection sockets**

Large professional sockets for the employment of Merkle standard accessories.



**Stable, robust and shock resistant**

The all new plastic/metal casing.



**Far-reaching operation**

Extra long mains cable with 5 m length.

**ALL IN ONE CASE:**

- Stable, robust plastic case
- A lot of space for welding accessories
- Waterproof and shock resistant
- Easy to handle
- Low net weight





## Technical data

## LiteARC 180

Power supply	1 x 230 V, 50/60 Hz
Frequency	50 - 60 Hz
Continuous power (MMA/TIG)	5.3 kVA / 3.7 kVA
Continuous current (MMA/TIG)	23 A / 16 A
Stick electrodes	1.5 - 4.0 mm
Open circuit voltage	68 V
Welding voltage (MMA/TIG)	20 - 170 A / 10 - 180 A
Welding current (MMA/TIG)	20.8 - 26.8 V / 10.4 - 17.2 V
Duty cycle 25 % (10 min) (MMA/TIG)	170 A (40 °C) / 180 A (40 °C)
Duty cycle 60 % (10 min)	130 A (40 °C)
Duty cycle 100 %	115 A (40 °C) / 90 A* (40 °C)
Protection class	IP 23
Operation modes	MMA/stick electrode, TIG (DC) with LiftTIG
Digital display	Welding voltage
Additional functions	hotstart and arcforce (switchable), antistick (permanent)
Norm	EN 60974-1 „S“ / CE
Sockets 50 mm <sup>2</sup>	earth lead, electrode cable
Mains cable	5 m length with schuko-plug
Weight	5.0 kg
Dimensions (L x w x h)	330 x 140 x 230 mm

\* In MMA/stick electrode mode with 16 A fuse.

Technical modification reserved.



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## PRODUCT RANGE

- 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



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