

SHORT-INFO

# MicorStick 180

## A system that flows with every current.

- Three-way flexibility
- Ideal welding properties
- Light and rugged
- Pulse function



## At a glance

### Three-way flexibility

All-in technology for mains supply, generator and battery

### Light and rugged

Lightweight with as little as 4.9 kg and crash protection up to 80 cm

### Ideal welding properties

Even when using long power cables or in the event of voltage fluctuations

### Electrode welding inverter

CEL-capable, fully resonant welding inverter with MicorBoost technology, electrode pre-selection and TIG function. Suitable for connection to cables with a length of up to 200 m and for generator operation.

### Compact

The low weight and compact dimensions of the Lorch MicorStick series make it easy to work with just the way you want especially in the most confined spaces.

### Multifunctional

The Lorch MicorStick series always offers you the right tool whether you need to weld with basic, rutilé or even special electrodes. Better still, it provides long duty cycles, high power reserves and the possibility of TIG welding with ContactTIG ignition of even the most difficult electrodes.

### Hotstart

Thanks to the adaptive automatic Hotstart feature you can always count on perfect ignition.

### Anti-Stick System

The Anti-Stick system prevents the electrode from sticking, especially useful for positional welding.

## Benefits

### **Arc-Force regulation.**

It supports the welding process with -increased arc stability and optimised metal transfer.

### **Dependable.**

Even when powered by a generator and hooked up to primary cables with a maximum length of 200 m, the Lorch MicorStick strikes up reliably and remains incredibly stable.

### **Robust and protected against falls from a height of up to 80 cm.**

Thanks to its specially designed crash protection the Lorch MicorStick is sure to survive a fall from heights of up to 80 cm completely unscathed. Should you accidentally drop your welding machine or allow it fall off the workbench, you can simply power through and keep working.

### **Energy-efficient.**

The Lorch MicorStick series truly shines when it comes to high efficiency and low energy consumption thanks to its integrated state-of-the-art industrial electronics and fan-on-demand technology.

### **Cutting-edge inverter technology.**

This regulation technology allows the inverter to combine stellar welding results at minimal spatter formation with superior ease of use.

### **Mobile.**

Boasting a remarkably low weight and compact external dimensions, our Lorch MicorStick is one of the most mobile welding machines money can buy. It comes with a handy protective tool case that keeps everything you need, safe and neat in one place.

### **Safety.**

Bearing the IP23 and S-symbol, the series is ideal for applications in the field.

## Controlconcept

### **ControlPro**

- "3 steps to weld" operating concept
- 7-segment display, exact to the amp
- Aimplest one-button operation Infinitely variable current setting
- Electrode pre-selection for Standard (basic and rutile) and CEL for optimum welding parameters
- TIG-DC welding function (with ContacTIG)
- Submenu for custom adjustments of the system settings



**Technical Data: MicorStick & battery technology****MicorStick 160 (until May 2018)****MicorStick 180****MicorStick 200**

## Electrode

welding range (in Amps)	10-150/160	10-180	10-200
current setting	infinitely variable	infinitely variable	infinitely variable
weldable electrodes (mm)	1,5 - 4,0	1,5 - 4,0	1,5-5,0

## Duty cycle

duty cycle 100% (in Amps)	110	120	130
duty cycle 60% (in Amps)	120	150	150
duty cycle at max. current (in %)	30%	25%	30%

## Mains

mains voltage (in V)	230	230	400
phases (50/60 Hz)	1~	1~	3~
positive mains tolerance (in %)	15%	15%	15%
negative mains tolerance (in %)	40%	40%	25%
mains fuse (in Amps)	16	16	16
mains plug	Schuko	Schuko	CEE 16

## Dimensions and weights

dimensions (LxWxH) (in mm)	360x130x215	360x130x215	360x130x215
weight (in kg)	4,9	5,8	6,3

## Standards and approvals

standard	EN 60974-01	EN 60974-01	EN 60974-01
protection class (EN 60529)	IP23S	IP23S	IP23S
insulation class	F	F	F
designation	CE, S	CE, S	CE, S