

The MicorStick series

A SYSTEM THAT FLOWS WITH EVERY CURRENT.



THREE-WAY FLEXIBILITY

All-in technology for mains supply, generator, and battery power

LIGHT AND RUGGED

System weighs only 4.9 kg and is fall-proof up to 80 cm

IDEAL WELDING PROPERTIES

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

ELECTRODE

MICORSTICK

The MicorStick series at a glance

- **Electrode welding inverter.** CEL-capable, fully resonant welding inverter with MicorBoost technology, electrode pre-selection and TIG function. Suitable for connection to the 230 V mains supply on 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, rutile or even special electrodes. Better still, it provides long duty cycles, high power reserves and the possibility of TIG welding with ContacTIG 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.



- **Arc-Force regulation.** Arc-Force regulation 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.** Loaded with cutting-edge regulation technology, the inverter produces stellar welding results with minimal spatter formation thanks to its superior ease of use.
- **Mobile.** Boasting a remarkably low weight and compact external dimensions, Lorch MicorStick will go anywhere, making it the perfect companion for any welder on the go. 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.

Versions



MicorStick 160	MicorStick 160 Accu-ready	MobilePower 1 battery pack	MicorStick 200
Operating concepts <ul style="list-style-type: none">BasicPlusControlPro <ul style="list-style-type: none">Welding range up to 160 AMains connection 230 Vweldable electrodes with up to Ø 4 mm thanks to MicorBoost technology	Operating concepts <ul style="list-style-type: none">BasicPlusControlPro <ul style="list-style-type: none">Welding range up to 160 AMains connection 230 Vweldable electrodes with up to Ø 4 mm thanks to MicorBoost technologyAccu-ready: connection option for MobilePower 1 battery pack to allow for welding away from the mains power supply		Operating concepts <ul style="list-style-type: none">ControlProControlPro RC <ul style="list-style-type: none">Welding range up to 200 AMains connection 400 Vweldable electrodes with up to Ø 5 mm thanks to MicorBoost technologyRC version with remote control connection

Operating concepts



BasicPlus

- “3 steps to weld” operating concept
- simplest one-button operation
- infinitely variable current setting
- with electrode pre-selection for Standard and CEL for optimum welding parameters
- With TIG-DC welding function (with ContacTIG)



ControlPro

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

Highlights

MicorBoost technology

- Innovative and patented MicorBoost technology delivers maximum power and exceptional welding characteristics.
- Full power even in case of voltage fluctuations and when using long primary cables (up to 200 m).
- High efficiency and low energy consumption thanks to state-of-the-art MicorBoost power electronics and automatic power savings mode.



Assembly pack for applications on the go

Every set includes: 3 m electrode and 25 mm² ground cable, chipping hammer, wire brush, welding shield EN 166, and welding glasses DIN 4646-47. Complete with sturdy case including interior dividers.



Power sources



Technical data

	MicorStick 160 MicorStick 160 Accu-ready		MicorStick 200 MicorStick 200 RC	
Welding process	Electrode	TIG with ContacTIG	Electrode	TIG with ContacTIG
Electrode Ø	mm	1.5–4.0	1.0–2.4	1.5–5.0
Weldable material	Steel, stainless steel	Steel, stainless steel/copper	Steel, stainless steel	Steel, stainless steel/copper
Welding range	A	10–150	15–160	10–200
Duty cycle I max. (40 °C)	%	30	30	30
Current at 60 % duty cycle (40 °C)	A	120	150	150
Mains voltage	V	230	400	400
Dimensions (L × W × H)	mm	340 × 131 × 215	340 × 131 × 215	340 × 131 × 215
Weight	kg	4.9	6.3	6.3

MICORSTICK 160 ACCU-READY AND BATTERY PACK MOBILEPOWER 1.

MicorStick 160 Accu-ready and battery pack MobilePower 1

The dream team for welding applications on the go.

Mains-independent, exceptionally versatile, and powerful. MicorStick plus MobilePower 1. This is the formula for short distances. The need to look around for a mains connection – eliminated. The need to carry along extension cables – eliminated. Simply connect the Mobile-Power 1 battery pack to the MicorStick 160 Accu-ready. No more cumbersome preparations, just start welding right away. Exactly where you need to and where you want to. An excellent choice for installation work on construction sites and in the area of forestry. Ideal for quick repairs on conveyor systems, construction equipment and agricultural machinery. First-class welding performance exactly where you need it.

Full flexibility thanks to changeable batteries.



Technical data

		MobilePower 1
Power	Wh	604.8
Charging cycles		approx. 1,000
Weight	kg	7
Dimensions (L x W x H)	mm	323 x 131 x 215
Charge time	min	150



Maximum electrode capacity in units per battery charge

				Electrode type RC11		Electrode type RR12	
Electrode Ø	Welding current			Length 250 mm	Length 350 mm	Length 250 mm	Length 350 mm
2.5 mm	60 A			28	21	23	17
2.5 mm	90 A			23	17	21	15
2.5 mm	110 A			21	15	20	14
3.2 mm	90 A			–	12	–	10
3.2 mm	120 A			–	10	–	9
3.2 mm	150 A			–	9	–	8

All specifications represent maximum values gathered from real weld testing's. The actual range that can be achieved in a specific application varies with the manufacturer's brand of the electrode, the way the welder works and the local environmental conditions.