

MICORSTICK SERIES

A system that flows with every current.



A SYSTEM THAT FLOWS WITH EVERY CURRENT.



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

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 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.** 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.



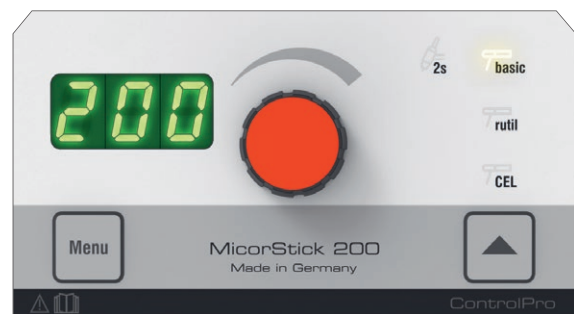
		MicorStick 160	MicorStick 180	MicorStick 200	MobilePower battery pack
Welding range	A	160	180	200	Battery pack with lithium-ion technology can be connected to the MicorStick 160/180 Accu-ready
Weldable electrodes up to Ø	mm	4	4	5	
Mains connection 1~230 V		●	●	-	
Mains connection 3~400 V		-	-	●	
Operating concepts					
BasicPlus		●	-	-	
ControlPro		●	●	●	
ControlPro RC		-	●	●	
Equipment					
Accu-ready: All-in technology for mains supply, generator and battery		●*	●	-	
Version with remote control connection		-	●	●	
PFC module for optimum mains load		-	●	-	
Pulse function		-	●	-	
* in combination with operating concept ControlPro		● Configuration options		● Standard equipment	

Operating concepts



BasicPlus

- "3 steps to weld" operating concept
- Simplest one-button operation
- Infinitely variable current setting
- Electrode pre-selection for Standard and CEL for optimum welding parameters
- TIG-DC welding function (with ContacTIG)



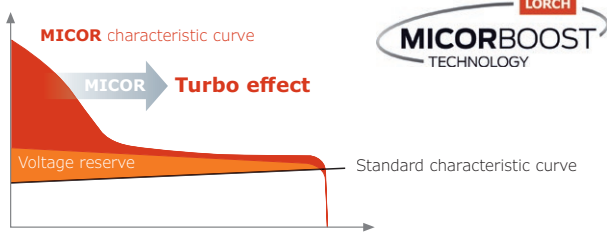
ControlPro

- "3 steps to weld" operating concept
- 7-segment display, exact to the amp
- Simplest one-button operation
- Infinitely variable current setting
- Electrode pre-selection for Standard (basic and rutil) and CEL for optimum welding parameters
- 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.



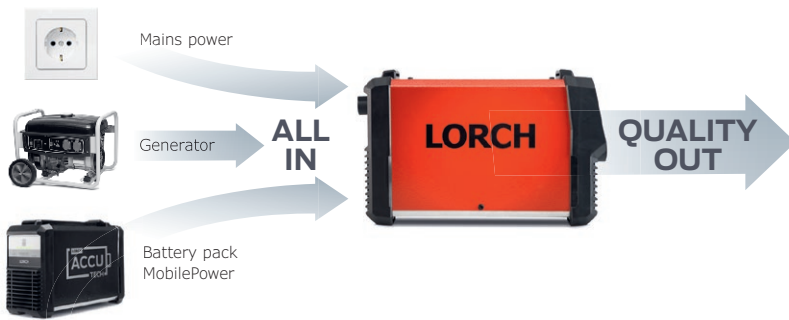
Assembly pack for applications on the go

Set with sturdy case including interior dividers:

- 3 m electrode and ground cable 25mm²
- Chipping hammer
- Wire brush
- Welding shield EN 166
- Welding glasses DIN 4646-47



Unique flexibility thanks to All-In technology



- This means: battery-supplied welding in combination with Lorch's high-capacity battery pack MobilePower.
- First-rate welding performance where you need it.

Technical data

		MicorStick 160 MicorStick 160 Accu-ready		MicorStick 180 Accu-ready		MicorStick 200 MicorStick 200 RC	
Welding process		Electrode	TIG with ContacTIG	Electrode	TIG with ContacTIG	Electrode	TIG with ContacTIG
Elektroden-Ø	mm	1.5 - 4,0	1.0 - 2.4	1.5 - 4.0	1.0 - 2.4	1.5 - 5.0	1.0 - 3.2
Weldable material		Steel Stainless steel	Steel Stainless steel Copper	Steel Stainless steel	Steel Stainless steel Copper	Steel Stainless steel	Steel Stainless steel Copper
Welding range	A	10 - 150	15 - 160	10 - 180	3 - 200	10 - 200	10 - 200
Duty cycle I max. (40 °C)	%		30		25		30
Current at 60% duty cycle (40 °C)	A		120		150		150
Mains voltage	V		230		230		400
Dimensions (L x W x H)	mm	360 x 130 x 215		360 x 130 x 215		360 x 130 x 215	
Weight	kg	4.9		5.8		6.3	

**MICORSTICK ACCU-READY
AND BATTERY PACK MOBILEPOWER.**

MicorStick 160/180 Accu-ready and battery pack MobilePower

The dream team for welding applications on the go.

Mains-independent, exceptionally versatile, and powerful. MicorStick plus MobilePower. 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 battery pack to the MicorStick 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
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.

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LORCH
smart welding

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