

SHORT-INFO

MicorTIG 200

The PEAK of mobile TIG welding.

- Three-way flexibility
- Remote control at the torch
- Intuitive control



At a glance

Three-way flexibility

Completely independent thanks to All-In technology for mains supply, generator and battery

Intuitive control

ControlPro control panel with graphic display, push-and-turn controller and job memory function

Remote control at the torch

The Powermaster torch puts all welding parameters right at your fingertips

Portable TIG welding inverter

Mobile and compact 200 DC TIG welding -machine with MicorBoost technology, non-contact high-frequency ignition and -electrode welding function.

Total flexibility

Completely independent thanks to All-in technology for mains supply, generator and battery.

Powerful

The built-in Power Factor Correction Module (PFC) provides for an -optimum mains load as well as full capacity during 230 V mains operation.

Graphical display with language selection and job memory

The MicorTIG 200 ControlPro offers a clearly structured user interface that makes controlling the machine fully intuitive.

Pulse and fast pulse

The integrated pulse function with up to 5 kHz is -exceptionally well-suited for welding thin sheets.

[Learn more](#)

Benefits

Safety.

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

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

Thanks to its specially designed crash protection the MicorTIG 200 DC 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.

Remote control at the torch.

No more need to switch back and forth between workpiece and machine. The optional Powermaster torch puts all key welding parameters right at your fingertips, i.e. on the handle.

Energy efficient.

The MicorTIG utilises cutting-edge industrial electronics and on-demand technology to achieve a superior level of efficiency and exceptionally low power consumption.

Controlconcept

BasicPlus

- HF ignition
- Pulse function with up to 5 kHz
- Exact-ampere digital display
- Infinitely variable current setting
- Menu for setting the auxiliary parameters
- Electrode pre-selection for Standard and CEL
- Switch 2-stroke/4-stroke
- Remote control connection
- Possibility for connection of the Lorch Powermaster remote control torch



[Translate to English (en-EN):] ControlPro

- Menu navigation via detailed welding sequence control
- HF ignition
- Pulse function with up to 5 kHz
- Job memory for 10 welding tasks
- Exact-ampere digital display
- Infinitely variable current setting
- Electrode pre-selection for Standard and CEL
- Switch 2-stroke/4-stroke
- Remote control connection
- Possibility for connection of the Lorch Powermaster remote control torch



Technical Data: MicorTIG series

MicorTIG 200

TIG

welding range (in Amps)	5-180 5-200
current setting	infinitely variable

Electrode

weldable electrodes (mm)	1,5-3,2 1,5-4,0
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Duty cycle TIG DC

duty cycle 100% (in Amps) - DC	130 140
duty cycle 60% (in Amps) - DC	150 160
duty cycle at max. current (in %) - DC	25%

Mains

mains voltage (in V)	115 230
phases (50/60 Hz)	1~
positive mains tolerance (in %)	15%
negative mains tolerance (in %)	15%
mains fuse (in Amps)	25 16
mains plug	Schuko

Dimensions and weights

dimensions (LxWxH) (in mm)	360x130x215
weight (in kg)	6.8

Standards and approvals

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

THE FIRST FULL FUNCTION TIG INVERTER WITH HF IGNITION RUNNING ON BATTERY POWER



FLEXIBILITY TIMES 3

Completely independent thanks to All-In technology supporting mains, generator and battery operation

INTUITIVE CONTROL

ControlPro control panel with graphic display, push-and-turn controller and job memory function

REMOTE CONTROL AT THE TORCH

The Powermaster torch puts all welding parameters right at your fingertips

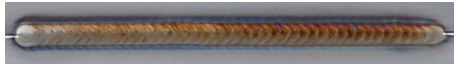
Highlights

Stainless steel welding with DC

TIG-DC
welding



TIG-DC
pulse welding



No inclusions of tungsten thanks to HF ignition



HF ignition

TIG ignition is triggered by non-contact high-voltage pulses or with the press of a button to ensure that the tungsten electrode does not come into contact with the workpiece. Putting an end to welds with tungsten inclusions, this technology reduces the strain on the electrode.



ContactTIG

When working in HF-sensitive environments or on tools, the operator has the additional option of switching to ContactTIG (contact ignition).

Can also be used with remote control torch

i-Torch UpDown

Welding current "On/Off"

Secondary current "On/Off"

Current "Up-Down"



i-Torch Powermaster



With LED display
embedded in the
torch handle

Welding current display of your
Lorch welding power source

Unique flexibility thanks to All-In technology



Mains power 115–230 V



Generator 8 kVA



Battery pack MobilePower

ALL
IN



QUALITY
OUT

MicorTIG plus MobilePower – freedom from the mains

Mains-independent, exceptionally versatile, and powerful.

Simply connect the MobilePower battery pack to the MicorTIG Accu-ready. No more searching for a mains socket or lugging around extension cables.

You can start welding with perfect performance right away. An ideal choice for site work and urgent repairs, especially outdoors.

More information at: www.lorch.eu/en/mobile

		MobilePower
Power	Wh	604.8
Charging cycles		approx. 1,000
Weight	kg	7
Dimensions (L × W × H)	mm	323 × 131 × 215
Charge time	min	150
Welding times TIG	min	± 51 (at 50 A)* ± 23 (at 100 A)*

* Values vary with arc length and ambient temperature



Operating concepts



	BasicPlus	ControlPro
HF ignition	●	●
Pulse function up to 5 kHz	●	●
Display	7-segment display, exact to the amp	exact-ampere digital display
Infinitely variable current setting	●	●
Welding sequence control	can be set via auxiliary parameters	can be set in detail via graphical user interface
Electrode pre-selection for Standard and CEL	●	●
Switch 2-stroke/4-stroke	●	●
Remote control connection	●	●
Connection for Powermaster remote torch control	●	●
Job memory for 10 welding tasks	--	●
Symbol-controlled operation	--	●
Detailed full-text menu	--	●

● Standard equipment

Technical data

		MicorTIG 200 DC (230 V mains)		MicorTIG 200 DC (115 V mains)	
Welding process		TIG	Electrode	TIG	Electrode
Electrode Ø	mm	1.0–4.0	1.5–4.0	1.0–3.2	1.5–3.2
Weldable material		Steel Stainless steel Copper	Steel Stainless steel	Steel Stainless steel Copper	Steel Stainless steel
Welding range	A	5–200	10–180	5–180	10–140
Duty cycle I max. (40 °C)	%	25	25	25	25
Current at 60% duty cycle (40 °C)	A	160	140	150	110
Mains voltage	V	230	230	115	115
Dimensions (L × W × H)	mm	360 × 130 × 215			
Weight	kg	6.8			