SHORT-INFO

HandyTIG 180

TIG welding optimised for use on construction sites.

- Pulse function
- Long duty cycle
- Protected against falls
- ITC-Inside
- Job memory



At a glance

Intuitive operation
Offering exceptional ease of use and intuitive operation, the Lorch HandyTIG series allows you to produce welding results of the highest order thanks to its automatic setting control.

Non-contacting HF ignition
The TIG arc is ignited without direct contact by high-voltage pulses. Ignition is triggered 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. When working in HF-sensitive environments or on tools, the operator has the additional option of switching to ContacTIG (contact ignition).

Automatic gas management
Automatic gas management is applied to automatically regulate the gas pre-flow and post-flow, thereby protecting electrode and weld pool against oxidation.

Connection for hand or foot remote control
We offer a variety of hand or foot remote controls for the Lorch HandyTIG 180 that allow you to
step into the welding process and adjust the welding current if the welding machine happens to be positioned in a place that is not right beside you.

Changeover DC to AC
Offering you an effortless way to toggle between DC and AC, the Lorch HandyTIG 180 AC/DC allows you to remain completely flexible.

Pulse and fast pulse
The integrated pulse function with up to 2 kHz and up to 500 Hz, which comes standard, respectively, in the AC/DC and DC variant of the Lorch HandyTIG 180, offers you additional benefits when welding thin plates.

Benefits

Compact and protected against falls

Its compact design and low weight make working with the Lorch HandyTIG 180 a breeze. Meanwhile, its exceptionally robust case keeps the machine perfectly safe if subjected to falls from heights of up to 60 cm (AC/DC variant) or 80 cm (DC variant).

Electrode welding function

Electrode welding with Hotstart, Anti-Stick and Arc-Force regulation: The automatic Hotstart feature guarantees perfect ignition every time, while the Anti-Stick system reliably prevents the electrode from sticking, and Arc-Force regulation supports the welding process by providing for increased arc stability and optimised metal transfer.

Intelligent Torch Control

Intelligent Torch Control enables the Lorch HandyTIG 180 AC/DC to automatically detect whether the welder uses a standard torch or one of the latest, fully digital Lorch TIG torches including Powermaster remote control.

Energy-efficient

The Lorch HandyTIG 180 utilises leading-edge industrial electronics and fan-on-demand technology to achieve a superior level of efficiency and exceptionally low power consumption.

Job memory

The job memory can store up to four welding jobs.

Controlconcept

ControlPro

- User-oriented guidance
- Infinitely adjustable welding current setting
- Remote control connection
- Exact-ampere digital display
- Simple setting of the base parameters
- Job memory
- Powermaster remote control torch (AC/DC only)
- UpDown remote control torch
- Pulse function



Technical Data: HandyTIG series

	HandyTIG 180	HandyTIG 200
TIG		
welding range (in Amps)	3-180	3-200
current setting	infinitely variable	infinitely variable
Electrode		
weldable electrodes (mm)	1,5-4,0	1,5-4,0
Duty cycle TIG DC		
duty cycle 100% (in Amps) - DC	130	160
duty cycle 60% (in Amps) - DC	150	180
duty cycle at max. current (in %) - DC	30%	45%
Duty cycle TIG AC (only AC systems)		
duty cycle 100% (in Amps) - AC	130	160
duty cycle 60% (in Amps) - AC	150	180
duty cycle at max. current (in %) - AC	35%	45%
Mains		
mains voltage (in V)	230	230
phases (50/60 Hz)	1~	1~
positive mains tolerance (in %)	15%	15%
negative mains tolerance (in %)	25%	25%
mains fuse (in Amps)	16	16
mains plug	Schuko	Schuko
Dimensions and weights		
dimensions (LxWxH) (in mm)	337x130x211 / 480x185x326	480x185x326
weight (in kg)	6,5/13,3	13,4
Standards and approvals		
standard	EN 60974-01	EN 60974-01
protection class (EN 60529)	IP23S	IP23S
insulation class	F	F
designation	CE, S	CE, S