

# Picotig 200 puls TG

090-002058-00502



WE ARE WELDING



- Gas-cooled DC TIG inverter welding machine
- TIG welding with reproducible, electronic HF start
- TIG lift arc welding without HF
- MMA pulse welding and pulsed TIG welding up to 2 kHz
- Non-latched/latched operation
- Clearly structured operating panel, operating elements streamlined to feature the main TIG functions
- Reduced secondary current accessible using torch trigger
- Up-slope/down-slope adjustable
- Adjustable gas pre-flows/post-flows
- **MMA welding**
- Adjustable hot start current and hot start time
- Adjustable Arcforce
- Antistick function
- Energy-saving thanks to high efficiency and standby function
- Portable, including shoulder strap
- 3.5 m mains supply lead with 16 A shock-proof plug
- Mains connection 230 V/16 A
- High mains voltage tolerance +15%/-40% and therefore fully generator-compatible
- 3.5 m mains lead with 16 A earthed plug
- **Overvoltage protection: No damage to machine caused if inadvertently connected to 400-V mains voltage**

	TIG	MMA
Setting range for welding current	5 A - 200 A	5 A - 150 A
Duty cycle at ambient t.e	40 °C	
25 %	200 A	—
35 %	—	150 A
60 %	150 A	120 A
100 %	140 A	100 A
Open circuit voltage	90 V	
Mains frequency	50 Hz / 60 Hz	
Mains fuses (slow-blow)	1 x 16 A	
Mains voltage (tolerances)	1 x 230 V (-40 % - +15 %)	
Max. connected load	6 kVA	6.4 kVA
Recommended generator power	8.1 kVA	8.6 kVA
cos φ	0.99	
Efficiency	86 %	
Dimensions machine, LxWxH in mm	428 x 136 x 252	
Weight, machine	8 kg	
Torch connection	Decentral	

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## Welding site equipment for TIG welding

### TIG 150 GD GRIP 5P 4m

394-512291-00600



- Gas-cooled TIG welding torch
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

### WK35mm<sup>2</sup> 290A/60% 4m/K

092-000008-00000



- Completely assembled workpiece lead with terminal

### DM 842 Ar/CO<sub>2</sub> 230bar 15l D

394-002910-00015



- Manufactured in accordance with ISO 2503
- Maximum primary pressure of 230 bar
- Single-stage
- Infinite and highly accurate adjustment
- Safety manometer with pressure meter or flow meter (bar/psi or litres per minute)
- With cut-off valve

### Gas hose

094-000010-00001



- Equipped with plastic nuts on both sides for tool-free assembly

## Accessories

### ON Filter Picotig

092-002546-00000



- Dirt filter for air inlet
- Reliably protects the machine from impurities under tough working conditions.

### ON Safeguard M

092-008767-00000



- Optimised supplementary protection provided by impact-resistant enclosure for use under difficult conditions.
- May be retrofitted with just a few steps
- Lightweight and robust
- Washable

### SPOTARC TIG 26 G 5P 4m

094-500046-00000



- Spot welding torch, with welding nozzles for fillet welds, edge welds and flat welds incl. setting gauge
- Better surface formation in comparison to resistance welding
- Flatter spot formation in comparison to MAG spot welding
- Excellent seam quality due to minimal heat input
- Very low thermal stresses and little distortion due to short welding times
- Perfect for visible joints due to clean seam appearance
- Robust design
- Excellent HF safety
- **Equipment as delivered:**
- Collet body: Ø 2.4 mm

### TIG 150 GD GRIP 5P 4m

394-512291-00600



- Gas-cooled TIG welding torch
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

## Accessories

### TIG 150 GD GRIP 5P HFL 4m

394-512291-10600



- Gas cooled TIG welding torch with a highly flexible hose package
- Double push-button
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Excellent HF safety
- **Equipment as delivered:**
- Electrode holder: Ø 2.4 mm
- Gas nozzle: Ø 10 mm, size 8
- Tungsten electrode E3 (purple): Ø 2.4 mm

### Trolly 35-1

090-008629-00000



- Transport cart
- Solid, stable design
- For Picomig 180, Picotig 200/200 MV, Tetrix 200, Pico 180 and Pico 220
- For transporting a power source and a gas cylinder

### RT1 19POL

090-008097-00000



- Remote control, current
- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet

### RTG1 19POL 5m

090-008106-00000



- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- With pre-fitted 5 or 10 m connection cable
- Operating point setting directly at the site of welding
- For Tetrix, Picotig 200 AC/DC and Stick machine series

## Accessories

### RTF1 19POL 5 M

094-006680-00000



- Foot-operated remote control, start/stop
- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Start/stop welding operation
- Operating point setting directly at the site of welding

### ADAP SCHUKO/16CEE

092-000812-00000



- Earth contact coupling/CEE16A plug

### SCHUKO/16A

094-001756-00000



- Shock-proof plug, solid rubber

### WK25mm<sup>2</sup> 230A/60% 4m FIX

398-000593-00000



- Completely assembled workpiece lead with original FIX clamp

### WK70mm<sup>2</sup> 450A/60% 4m/Z

092-000013-00000



- Completely assembled workpiece lead with clamp

## Accessories

WK25mm<sup>2</sup> 230A/60% 4m/K  
092-000016-00000



- Completely assembled workpiece lead with terminal

EH 35qmm 4m  
092-000052-00000



- Fully assembled electrode holder with cable

DM 842 Ar/CO<sub>2</sub> 230bar 30l D  
394-002910-00030



- Manufactured in accordance with ISO 2503
- Maximum primary pressure of 230 bar
- Single-stage
- Infinite and highly accurate adjustment
- Safety manometer with pressure meter or flow meter (bar/psi or litres per minute)
- With cut-off valve

ON AL D13/27  
092-003282-00000



- Cap for load sockets

Gas hose  
094-000010-00003



- Equipped with plastic nuts on both sides for tool-free assembly

## Accessories

CPB Picotig 180 3003 E  
094-012322-00500



- Transport case for welding machine and accessories

L-BOXX 374  
094-003899-00000



- Robuste Transportbox

L-BOXX 102  
094-003900-00000



- Robuste Transportbox