

Tetrix 200 MV Comfort puls 5P TG

090-000229-00502



WE ARE WELDING



- Gas-cooled DC TIG inverter welding machine
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- TIG welding with reproducible, electronic HF start
- TIG lift arc welding without HF
- TIG automated pulsing with automatic specification of required pulse parameters
- Pulsed TIG welding in Hz and kHz range up to 15 kHz
- 8 programmed JOBs (welding tasks)
- Non-latched/latched operation
- Clearly structured operating panel, operating elements streamlined to feature the main TIG functions
- Reduced secondary current accessible using torch trigger
- Spot welding/tack function (spotArc/spotmatic)
- Up-slope/down-slope adjustable
- Spotmatic – halves time required for tacking
- Adjustable gas pre-flows/post-flows
- **MMA welding**
- MMA average value pulsing
- Ideal for root welding
- Safe, reliable vertical-up and vertical-down welding
- Adjustable hot start current and hot start time
- Adjustable Arcforce
- Antistick function
- Safe ignition also for long hose packages
- Energy-saving thanks to high efficiency and standby function
- Portable, including shoulder strap
- Connection capability for remote control and function torch
- 3.5 m mains supply lead with 16 A shock-proof plug
- Mains connection 230 V/16 A
- Multivolt (MV): automatic mains voltage adaptation (115 V/230 V)
- **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	4.4 kVA	–
Recommended generator power	7.5 kVA	–
cos φ	0.99	
Efficiency	86 %	
Dimensions machine, LxWxH in mm	475 x 180 x 295	
Weight, machine	11.5 kg	

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WE ARE WELDING

Torch connection

Decentral

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The content of this document has been prepared and reviewed with all reasonable care.

The information provided is subject to change, errors excepted.

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

OW CEE 32A

092-008215-00000



- Factory fitting (no retrofitting)
- Suitable for all machines with a welding current of 350 A and above

WK35mm² 290A/60% 4m/K

092-000008-00000



- Completely assembled workpiece lead with terminal

DM 842 Ar/CO₂ 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 MV/Tetrix 180

092-002547-00000



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

ON 8pol 03 Tetrix 180

092-002465-00000



- 8-pole welding torch connection socket for Tetrix 180 (from serial No. 196718 onwards) and Tetrix 200

ON 12 pol TIG Tetrix 180 / 270

092-002466-00000



- 12-pole welding torch connection socket for connection to Tetrix 200/300-2

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 GRIP Little GD HFL 5P 4 m

394-512292-10600



- Gas cooled TIG welding torch with a highly flexible hose package
- Double push-button
- 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

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

TIG 150 GRIP Little GD U/D HFL 8P 4 m

394-512292-10200



- Gasgekühlter WIG-Schweißbrenner mit hochflexiblem Schlauchpaket (High-Flex-Leder)
- Besonders kompakte GRIP-Griffschale, bestens geeignet für schwer zugängliche Schweißaufgaben
- Einstellen von Schweißstrom, bei Synergic-Steuerung auch Jobumschaltung möglich
- Passend zu Geräten der Tetrix-DC und AC/DC-Serie, sowie Picotig 200 AC/DC
- Bei tragbaren Geräten ist eine 8-polige Anschlussbuchse erforderlich
- Exzellente HF-Sicherheit
- **Ausrüstung ab Werk:**
- Elektrodenhalter: Ø 2,4 mm
- Gasdüse: Ø 10 mm, Größe 8
- Wolframelektrode E3 (lila): Ø 2,4 mm
- Brennerkappe "mittel"

Accessories

TIG 150 GD GRIP 8P U/D 4m

394-512291-00200



- Gas-cooled TIG welding torch
- Setting of welding current and programs
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for devices from the Tetrix DC and AC/DC series
- An 8-pole connection socket is required for portable machines
- 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

TIG 150 GD GRIP 8P U/D HFL 4m

394-512291-10200



- Gas cooled TIG welding torch with a highly flexible hose package
- Setting of welding current and programs
- Ergonomic GRIP handle for a secure hold and ergonomic use
- Suitable for devices from the Tetrix DC and AC/DC series
- An 8-pole connection socket is required for portable machines
- 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

TIG 150 GD 12P GRIP RETOX HFL 4m

394-512291-10700



- Gas cooled TIG welding torch with a highly flexible hose package
- Setting and display of welding current and programs
- Ergonomic GRIP handle for a secure grip
- Highly flexible hose package with 1 m leather protector
- For Tetrix DC, AC/DC Comfort and Synergic
- "ON 12-pole connection socket" option required
- **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

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

RTG1 19POL 10m

090-008106-00010



- 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

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

RTP1 19POL

090-008098-00000



- Remote control, pulse, spot and pause times are infinitely adjustable.
- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Pulse/spot/normal
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet
- For Tetrix and Picotig 200 AC/DC machine series

Accessories

RTP2 19POL

090-008099-00000



- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Pulse/spot/normal
- Frequency and spot times infinitely adjustable.
- Coarse adjustment of the cycle frequency.
- Pulse/pause ratio (balance) adjustable from 10% to 90%.
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet
- For Tetrix and Picotig 200 AC/DC machine series

RTP3 spotArc 19POL

090-008211-00000



- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Remote control, pulse / spotArc spot welding / normal
- Frequency and spot times infinitely adjustable.
- Coarse adjustment of the cycle frequency.
- Pulse/pause ratio (balance) adjustable from 10% to 90%.
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet
- For Tetrix and Picotig 200 AC/DC machine series

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

WK25mm² 230A/60% 4m FIX

398-000593-00000



- Completely assembled workpiece lead with original FIX clamp

Accessories

WK70mm² 450A/60% 4m/Z
092-000013-00000



- Completely assembled workpiece lead with clamp

WK25mm² 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/CO₂ 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

ON AL D13/27
092-003282-00000



- Cap for load sockets

Accessories

Gas hose

094-000010-00005



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

L-BOXX 374

094-003899-00000



- Robuste Transportbox

L-BOXX 102

094-003900-00000



- Robuste Transportbox