

## TIG 180 AC/DC puls

290-020200-00000



- TEAMWELDER TIG 180 AC/DC – the specialist for aluminium welding
- TIG and MMA welding
- Ideal for aluminium: Optimum ignition and stabilisation of the alternating current arc thanks to positive terminal ignition
- TIG HF start and TIG lift arc
- Powerful MMA welding (Arcforce, hot start, antistick)
- Non-latched, latched
- Switching to secondary current possible, for more information see the operating instructions
- Setting and display of welding current and voltage, including hold function for reading off values after welding
- **TIG average value pulsing**
- **(DC: 0,2 Hz - 2,0 kHz / AC: 0,2 Hz - 5,0 Hz):**
- Safe weld pool backing for root welding, welding thin metal, and positional welding
- Optimum for visible seams thanks to uniform bead ripples
- Minimised distortion due to reduced heat input
- **MMA average value pulsing**
- **(0.2 Hz–50 Hz):**
- Perfect for root welding
- Ideal for difficult electrodes
- Fewer spatters means significantly less finishing work
- Inverter technology: Lightweight and compact design, high efficiency and standby function
- 100% suitable for construction sites: Splash-proof, unrestricted generator operation, connection to long mains leads, robust casing
- Mains lead with 16 A earthed plug
- **Overvoltage protection: No damage to machine if inadvertently connected to 400 V**

- Production and repair work in workshops, for assembly work and on construction sites
- Roofing operations
- Food and chemicals industry
- Pipe, container and equipment construction
- Vehicle and tool construction, mechanical and plant engineering
- Metal, conservatory and window construction
- Façade, heating and ventilation construction

	TIG	MMA
Setting range for welding current	3 A - 180 A	5 A - 140 A
Duty cycle at ambient t.e	40 °C	
35 %	180 A	–
50 %	–	140 A
60 %	150 A	130 A
100 %	120 A	110 A
Open circuit voltage	43 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	5.3 kVA	6 kVA

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Recommended generator power	7.2 kVA	8.1 kVA
cos φ	0.99	
Efficiency	85 %	
Weight, machine	16.5 kg	

## TIG 180 AC/DC

The lightweight AC/DC TIG welding machine – Ideal for aluminium welding

Only 16.5 kg – Easy to transport to any operating site

Practical carrying strap for effortless transport over ladders, in steel construction and on scaffolds

Energy cost-saving inverter technology

- High efficiency
- Standby function

100% suitable for construction sites

- Large mains voltage range for unlimited operation with generators and **up to 75 m-long mains lines**
- Splash-water protected as per IP 23
- Rugged aluminium housing with impact-resistant plastic cover in front and rear
- Operating elements placed in protected location

Excellent TIG ignition and welding properties

- HF start, contact-less – Prevents tungsten inclusions
- Concentrated, stable arc

Powerful MMA welding

Perfect aluminium welding

- Optimum ignition and stabilisation of the alternating current arc thanks to positive terminal ignition for optimum balled end formation
- Very good cleaning effect

Remote control connection as standard

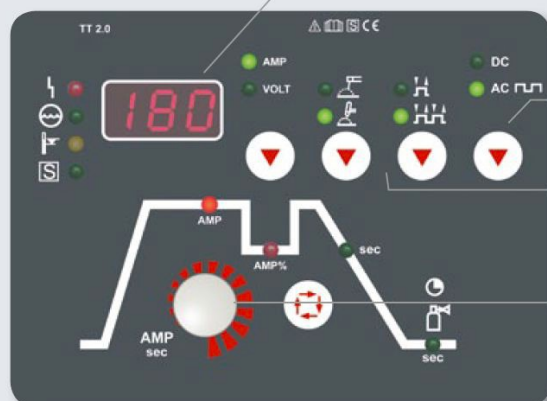
For welding current adjustment

Safe and reliable

- **Overvoltage protection:** No damage to machine if inadvertently connected to 400 V mains voltage
- Temperature-overload protection
- Dust-protected electronics

Very easy one-knob operation – Just switch on and start welding

Fast to learn – Ideal for assembly work with frequent personnel changes



Setting and display

- Welding current
- Welding voltage
- Hold function

Selection of the current type

- Alternating current (AC)
- Direct current (DC)

Welding procedures, operating modes

- TIG (HF start and lift arc)
- MMA
- Non-latched, latched

Large rotary knob

for safe operation, even with gloves

Self-explanatory operating panel

- The most important TIG functions, such as welding current, down-slope and gas post-flow, are directly accessible
- Additional TIG and MMA welding parameters can be changed in the submenu!
- Large push-buttons for selection of functions such as non-latched, latched, MMA etc.

Alternating current (AC) functions pre-set for practical needs

- AC balance and frequency
- Ignition optimisation for optimum balled end formation