

TIG WELDING SYSTEM



Portable, completely digitally controlled TIG AC/DC welding system for welding aluminum, copper, steel and stainless steel. Its 180 Amps power and robust design make it ideally suited for direct use at the construction site, as well as at fixed places of work in the workshop.

WIG 180 AC/DC

Art. No. 0702 353 180

P. Qty. 1

- Clear, self-explanatory operator guidance.
- Individually adjustable parameters such as gas forward and reverse flow time, current rise time, main and secondary current, pulse frequency, current reduction, 2-cycle / 4-cycle spot function.
- Integrated pulse and fast pulse function.
- Temperature-controlled air regulation → Low power consumption.
- Separate air duct → Protection for the electronic components.
- Fall protection 25 cm.
- Integrated cable compartment for grounding cable and gas hose.
- Switchover from TIG AC/DC to electrode welding.
- HF ignition can be switched to contact ignition.
- 3-year warranty

Available in the fleet management system ORSY®fleet

TIG torch and pressure reducer not included in the WIG 180 AC/DC scope of delivery!

Delivery scope		
Designation	Art. No.	P. Qty.
Massekabel 25 mm ² , 4 m	0984 150 70	1
Gasschlauch 1,8 m	0984 150 250	1
Tragerriemen	-	1

Technical data	
Weldable TIG rods dia.	1.0 - 3.2 mm
Weldable electrodes dia.	1.5 - 4.0 mm
Welding range for TIG welding	3 - 180 A
Welding range for electrode welding	10 - 150 A
Switch-on time at max. current (+40 °C) for TIG and electrode welding	35% / 35%
Weldable material thicknesses:	
Steel, stainless steel	1 - 8 mm
Copper	1 - 3 mm
Aluminum	1 - 8 mm
Arc-force	yes
Hot start	yes
Anti-stick	yes

Suitable accessories

TIG torch WLT 26, double pushbutton torch, 4 m

Art. No. 0984 180 104

TIG torch WLT 26, double pushbutton torch, 8 m

Art. No. 0984 180 108

TIG torch WLT 26, up-down torch, 4 m

Art. No. 0984 180 204

TIG torch WLT 26, up-down torch, 8 m

Art. No. 0984 180 208

Pressure reducer argon/CO₂, 1/4"

Art. No. 0984 018 03

TIG welding rods

Art. No. 0982 71.. / 0982 75..

Rod electrodes

Art. No. 0982 2../ 0982 3..

Tungsten electrode gold

Art. No. 0984 150 110/116/124/132

Application note

TIG welding

Guideline value for flow rate in l/min:

5 - 250 Amps → 6.5 - 7.5 l/min

Guideline value for current intensity

Tungsten electrode dia.	Amperage Direct current [DC]	Amperage Altern. current [AC]
1.0	3 - 40	5 - 30
1.6	15 - 130	20 - 90
2.4	70 - 240	45 - 135
3.2	140 - 320	130 - 250

Appropriate gas for TIG welding

100% argon