

TIG Inverter

**HIGH-TIG digital 310
AC/DC**



modernste Inverter-Technologie und intuitive SIRIUS Bedienoberfläche

Article number ▼
1084531

Brand ▼
Schweisskraft

Commodity group ▼
108

Catalog directory ▼
Welding technology » TIG welding machines » HIGH-TIG digital AC/DC



Shipping informations ▼

Packaging Metrics		Weights		Delivery		Other	
Length	900 mm	Gross	89.5 kg	Delivery	Carrier	DualUse	✘
Width	560 mm	Net	87.5 kg	Content	1 pc(s).	SCIP	n/a
Height	1,020 mm					SVHC	No



Quality - Made
in Germany

Description ▼

Manufacturer
Stürmer Maschinen GmbH
Dr.-Robert-Pfleger-Str. 26, 96103 Hallstadt, Germany
info@stuermer-maschinen.de

Significant Features ▼



SIRIUS - the intuitive and open user interface

- Graphically dynamic and transparent visualization
- Assist functions simplify the operation of complex digitally controlled processes
- Fully Industry 4.0 capable
- Easy integration into all systems, production chains and pr



FOCUS.ARC - Concentration of energy in the centre of the arc

- Droplet transfer, short-circuit resolution and heat input digitally controlled
- Improved quality through better visibility into the process, better control of the arc and fewer errors



Meets all requirements of the EU directive for ecodesign

- High efficiency min. 85%
- Max. 50W in stand-by
- Up to 30% energy saving when welding
- Up to 80% energy savings in idle mode, thanks to intelligent stand-by management
- High duty cycle due to low-loss inverter

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POWER FACTOR CONTROLLER - Power factor correction

- Compliance with the new regulation EU 2019/1784
- Highest energy efficiency
- Worldwide use
- Clean mains power consumption
- Can be used everywhere

Media informations



DC welding

Arc pulsed at 17500 Hz is the standard for all standard welds



DC HYPER.PULS welding

Higher welding speed, better flow properties, very fine seams



DC-HYPER.SPOT staple

Significant reduction in warpage and tarnishing. Anyone can tack with it.



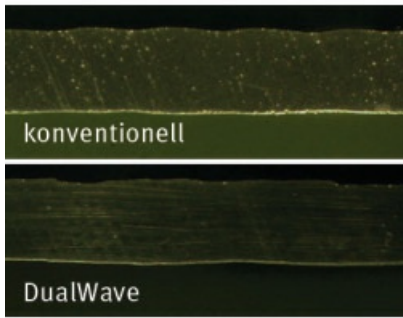
Interval welding

Edge weld



AC-HYPER.SPOT

Aluminum tacking without additional material



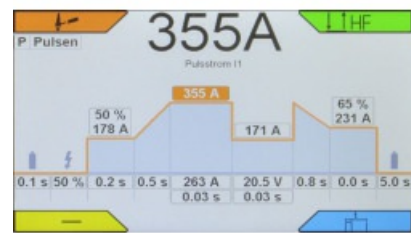
AC-DualWave
Reduzierung der Porenbildung



HYPER.PULS
with all settings at a glance



DC without Pulse
Everything that is not active is hidden



Day mode screen



Night mode screen

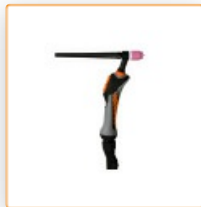


1. Menu button
2. Home button
3. Back button
4. QUICK CHOICE buttons
5. Select buttons
6. R-Pilot rotary encoder
7. Impact-protected full-color display

Technical data ▼

Dimensions and weights			
Length (product) approx.	900 mm	Width/depth (product) approx.	560 mm
Height (product) approx.	1020 mm	Net weight approx.	92 kg
Setting range			
Setting range TIG	5 – 310 A		
Duty cycle			
Duty cycle at I _{max} . 40°C TIG DC	80 %	Current at 100% DC 40°C TIG DC	290 A
Electrical Data			
Supply voltage	400 V	Mains frequency	50 Hz
Power factor	0.99 cos phi		
Input			
Power consumption TIG	8.5 kVA	Efficiency	> 80 %
Electrical connections			
Positive mains voltage tolerance	15 %	Negative mains voltage tolerance	25 %
Open circuit voltage	88.5 V	Power consumption in idle mode	< 50 W

Accessories ▼



TIG welding torch set, water cooled
R-TIG BK R-TIG 251w 19 8m UD 8m/35mm²



Article number ▼ 1492260
Availability ▼ No stock available
Information:
Next availability
Unknown
Purchase ▼ Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
BK R-TIG 301w 19 8m UD 8m/50mm²



Article number ▼ 1492261
Availability ▼ No stock available
Information:
Next availability
Unknown
Purchase ▼ Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
R-TIG 251w 19 4m UD HF



Article number ▼ 1492220
Availability ▼ No stock available
Information:
Next availability
Unknown
Purchase ▼ Minimum 1 pc(s).

Price informations ▼

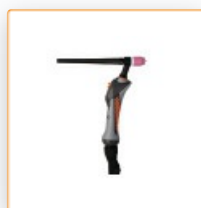


TIG welding torch, water cooled
R-TIG 251w 19 8m UD HF



Article number ▼ 1492225
Availability ▼ In stock
Immediate delivery
Purchase ▼ Minimum 1 pc(s).

Price informations ▼

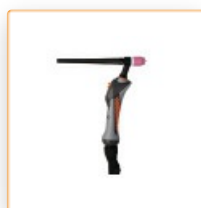


TIG welding torch, water cooled
R-TIG 251w 19 4m DD HF



Article number ▼ 1492226
Availability ▼ No stock available
Information:
Next availability
Unknown
Purchase ▼ Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
R-TIG 251w 19 8m DD HF



Article number ▼ 1492265
Availability ▼ In stock
Immediate delivery
Purchase ▼ Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
R-TIG 301w 19 4m DD HF



Article number ▼
1492270

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
R-TIG 301w 19 8m DD HF

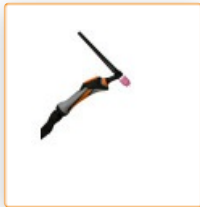


Article number ▼
1492275

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
R-TIG 451w 19 4m DD HF



Article number ▼
1492280

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
R-TIG 451w 19 4m UD HF

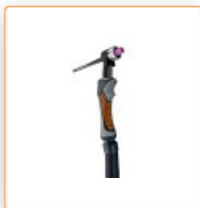


Article number ▼
1492290

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
RAB R-TIG 301w 4m UD HF



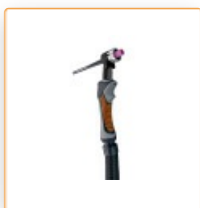
Fume extraction burner

Article number ▼
1492580

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



TIG welding torch, water cooled
RAB R-TIG 301w 8m UD HF



Fume extraction burner

Article number ▼
1492581

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Retrofit kit torch and hose package holder



Article number ▼
1060270

Availability ▼
Blocked article

Purchase ▼
Minimum 1 pc(s).

Price informations ▼
Revoked article



Retrofit kit air filter attachment



Article number ▼
1060271

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Metal filter cell FA P

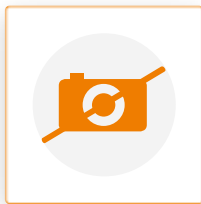


Article number ▼
1060272

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Toolbox retrofit kit for compact units



Article number ▼
1060273

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Pressure reducer Argon/CO2, large



Article number ▼
1700050

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Coolant SKF 15 / 5 l



Article number ▼
1030105

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Coolant SKF 15 / 10 I



Article number ▼
1030110

Availability ▼
In stock
Immediate delivery

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

Options equipment ▼



Toolbox for compact units



Article number ▼
1060109

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼



Air filter attachment



Article number ▼
1061144

Availability ▼
No stock available
Information:
Next availability
Unknown

Purchase ▼
Minimum 1 pc(s).

Price informations ▼

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