

TIG welding machine

CRAFT-TIG PRO 231 AC/DC P PULSE



Article number

1364231

Brand

Craftweld

☑ Ordering: from 1 units



Description

- PFC Technology (Power Factor Correction): High power factor of over 0.99 for energy-efficient operation and reduced mains load
- Dual-Voltage Operation: Flexible use with single-phase current at 110 V and 230 V
- SiC Inverter Technology: Modern silicon carbide modules for stable arc, high reliability, and low switching losses
- Extensive Welding Modes: Supports Lift-TIG, HF-TIG, TIG MIX, Lift-TIG SYN, HF-TIG SYN, MMA, and MMA SYN
- SYN Welding Programs: Predefined parameters for TIG and MMA simplify operation and reduce setup effort and time
- TIG AC+DC (TIG MIX): Switching between AC and DC increases heat input, improves penetration depth, and reduces electrode wear
- AC Waveforms: 9 selectable waveforms (square, Sine, triangle) for optimal adaptation to different welding tasks
- Dynamic arc control: Focused, stable arc for better root penetration and greater penetration depth

- Color touchscreen: High-resolution, eye-friendly display with clear menu navigation, fast response, and precise settings
- Job memory: 100 memory locations for welding parameters with fast save and load function
- RGB status indicator: Dynamic light signal with red flashing in case of malfunctions for quick fault detection
- Multilingual user interface: Support for multiple languages for easy operation
- Integrated protection functions: Temperature, voltage, and current sensors ensure high operational safety
- Torch control: Up/down buttons for current control directly on the torch
- Rotary knob on the torch: Fine adjustment of the welding current directly on the handle

Delivery content

- Gas hose 4 m

Technical data

Dimensions and weights

Length (product) approx.	585 mm
Width/depth (product) approx.	200 mm
Height (product) approx.	365 mm
Net weight approx.	16,2 kg

Duty cycle

Duty cycle at I _{max} . 40°C TIG DC	100 %
Duty cycle at max. current 40°C Electrode	100 %
Current at 100% DC 40°C TIG DC	230 A
Current at ED 100% 40°C Electrode	200 A

Setting range

Setting range TIG	5-230 A
Setting range electrode	10-200 A

Electrical Data

Supply voltage	230 V
Phase(s)	1 Ph
Current type	AC
Mains frequency	50/60 Hz
Power factor	0,998 cos phi
Total output	5.6/5.0 kVA
Input current TIG AC	26 A
Input current TIG DC	24,5 A
Input current electrode AC	27,3 A
Input current electrode DC	29 A

Electrode

Weldable electrodes	1,6-4,0 mm
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Basic Features

Sheet thicknesses	1 mm
Base materials	CR

Input

Power consumption TIG AC	5,97 kVA
Power consumption TIG DC	5,61 kVA
Power consumption electrode AC	6,26 kVA
Power consumption electrode DC	6,64 kVA
Efficiency	84.76 %

Device data

Operating temperature	-10-40 °C
Pulse rate	0,5-999 Hz
Ignition	high frequency
Torch cooling	gas / water

Standards and certifications

Standard	EN 60974-1:2012, EN 60974-10:2014
Degree of protection	IP 23S
Insulation class	H
EMC class	A
Explanation EMC class	This Class A welding equipment is not intended for use in residential areas where power is supplied by a public low-voltage power supply system.
Marking	CE

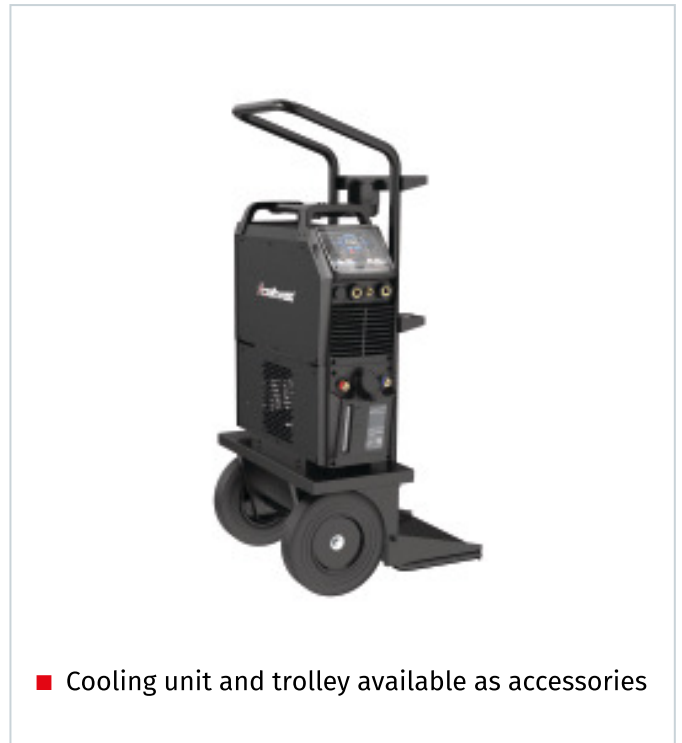
Electrical connections

Fuse (slow blowing)	16 A
Required generator output	>6.7 kVA
Mains plug	16 A
Positive mains voltage tolerance	10 %
Negative mains voltage tolerance	10 %
Open circuit voltage	MMA AC/DC 76, TIG AC/DC 13,7 V
Connection cable length	2,4 m
Power consumption in idle mode	< 50 W

Manufacturer infos

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

Media informations



■ Cooling unit and trolley available as accessories



- Menu button
- Select button
- Rotary knob (press/turn)
- Select button
- Job/Save button
- Dynamic RGB lighting
- 5" touchscreen
- USB interface

Equipment

Equipment

Power factor correction	✓
Process TIG pulsing	✓

Shipping informations

Packaging Metrics		Weights		Delivery		Other	
Length	650 mm	Net	16,2 kg	Delivery	Carrier	DualUse	Nein
Width	360 mm	Gross	20 kg	Content	1 undefined	SCIP	
Height	460 mm					SVHC	Nein

Manufacturer

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