

Electrode Inverter

CRAFT-STICK PRO 403 CEL

Welding machine for highest demands



Article number
1363403

Brand
Craftweld

☐ Ordering: from 1 units



Description

- Suitable for welding with cellulose electrodes
- Universally applicable for welding all common electrode types
- Best suited for assembly work due to protection class IP 21S generally also for outdoor work
- Suitable for use on generators, for example in workshops, schools, metal construction, on construction sites or for farmers
- Protected against moisture, salt spray and corrosion due to sealed circuit board. Therefore also suitable for offshore use
- Equipped with VRD for voltage reduction in no-load operation
- TIG DC function enables simple TIG welding with contact ignition
- Accurate setting and display of welding parameters via LC display
- Quiet running fan with good heat dissipation for high switch-on times
- Constant welding current achieves consistent deposition rate

- **Hot Start:** By automatically increasing the welding current for a short time, the arc ignites safely and is immediately stable
- **Anti-stick:** If the electrode accidentally sticks, the welding current is automatically reduced, thus preventing the electrode from annealing
- **Arc-Force control:** Due to the internal monitoring of welding current and welding voltage, short-circuits are quickly and safely resolved, thus stabilising the arc and allowing the electrode to be processed without any problems

Delivery content

- Welding cable 4 m, 50 mm² with electrode holder 500 A
- Ground cable 4 m, 50 mm² with ground clamp 500 A

Technical data

Dimensions and weights

Length (product) approx.	532 mm
Width/depth (product) approx.	216 mm
Height (product) approx.	405 mm
Net weight approx.	19.9 kg

Duty cycle

Duty cycle at I _{max} . 40°C electrode	60 %
Duty cycle at I _{max} . 40°C TIG DC	60 %
Current at 100% DC 40°C electrode	310 A
Current at 100% DC 40°C TIG DC	310 A

Electrode

Weldable electrodes	1,6 - 5,0 mm
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Setting range

Setting range electrode	10 – 400 A
Setting range TIG	10 – 400 A

Electrical Data

Supply voltage	400 V
Phase(s)	3 Ph
Current type	AC A
Mains frequency	50/60 Hz

Device data

Operating temperature	-10 – 40 °C
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Standards and certifications

Standard	EN 60974-1:2012, EN 60974-10:2014
Degree of protection	IP21S
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	>36 kVA
Open circuit voltage	TIG 86.2 MMA 87.6 V
Connection cable length	4 m
Power consumption in idle mode	< 50 W
Power factor	0.95 cos phi
Input current electrode	24,5 A
Input current TIG	18.1 A
Total output	22.4/17.3 kVA

Product information EU 2023/2854

Type of the generated data	Usage data
Format of the generated data	Common, machine-readable formats such as JSON
Amount of data	Up to 5 MB
Continuous data generation in real time	Yes

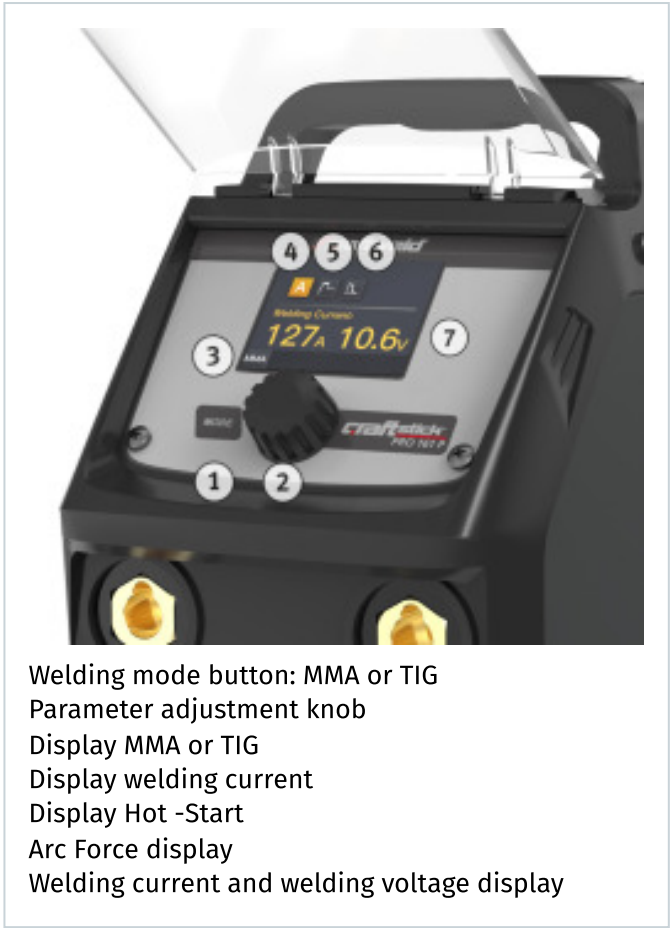
Input

Power consumption electrode	16.4 kVA
Power consumption TIG DC	12.4 kVA
Efficiency	89 %

Manufacturer infos

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

Media informations



- Welding mode button: MMA or TIG
- Parameter adjustment knob
- Display MMA or TIG
- Display welding current
- Display Hot -Start
- Arc Force display
- Welding current and welding voltage display

Equipment

Equipment

TIG function	✓
Anti-Stick	✓
ArcForce	✓
HotStart	✓
VRD operation	✓
LC display	4 "

Shipping informations

Packaging Metrics		Weights		Delivery		Other	
Length	610 mm	Net	19,9 kg	Delivery	Carrier	DualUse	Nein
Width	380 mm	Gross	28,4 kg	Content	1 undefined	SCIP	
Height	490 mm					SVHC	Nein

Manufacturer

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

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