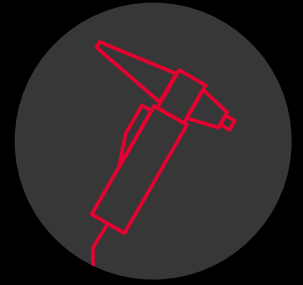




TIG dp 181 H

Inverter 230V 1 phase



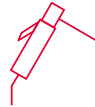
Tig Lift



Tig Pulse



HF



Stick



Slope Down



V.R.D.



Motogen.

Standards and Warranty

60974-10 | 60974-3 | 60974-1



MADE IN
ITALY



Inverter

Inverter technology concentrates high welding performance in a compact structure, improving welding and reducing dimensions and weights.

Tig Lift

The Tig lift function allows perfect ignition with the Tig torch even in AC mode.

Tig Hf

HF iniction (High Frequency) for start without touching the working piece. Possibility to adjust the Slope Down from 0 to 10s, useful for filling the final crater which allows a perfect appearance of the bead.

Tig Pulse

It is possible to use the Pulse function

for a lower heat input on the welding process up to 1000 Hz. Pulse also in AC mode.

Up-Down

Possibility to connect the up-down TIG torch with potentiometer or foot pedal remote.

Arc-Force

Possibility to adjust the Arc-Force for a better penetration.

Hot-Start

Possibility to adjust the Hot Start for a better electrode strike.

V.R.D.

Voltage Reduction Device is the possibility to reduce the No-Load Voltage below 20V to avoid the Electric Shock risk. Mandatory in many shipyards.

Digital Display

The Tig dp 181 H is equipped with double front and rear fan to improve and enhance the air flow for greater efficiency of the electronic components.

Shoockproof Plastic

Shockproof plastic structure and V0 (Self-extinguishing)

Kit bag

Also available in the BAG version, a handy tool bag complete with accessories. Convenient and ideal for transporting the welding machine to the workplace.



Stel Welding Division
Via Del Progresso 59


36020 Castegnero
(VI) - Italy

Tel. +39 0444 639525
Tel. +39 0444 639682

sales@stelgroup.it
www.stelgroup.it



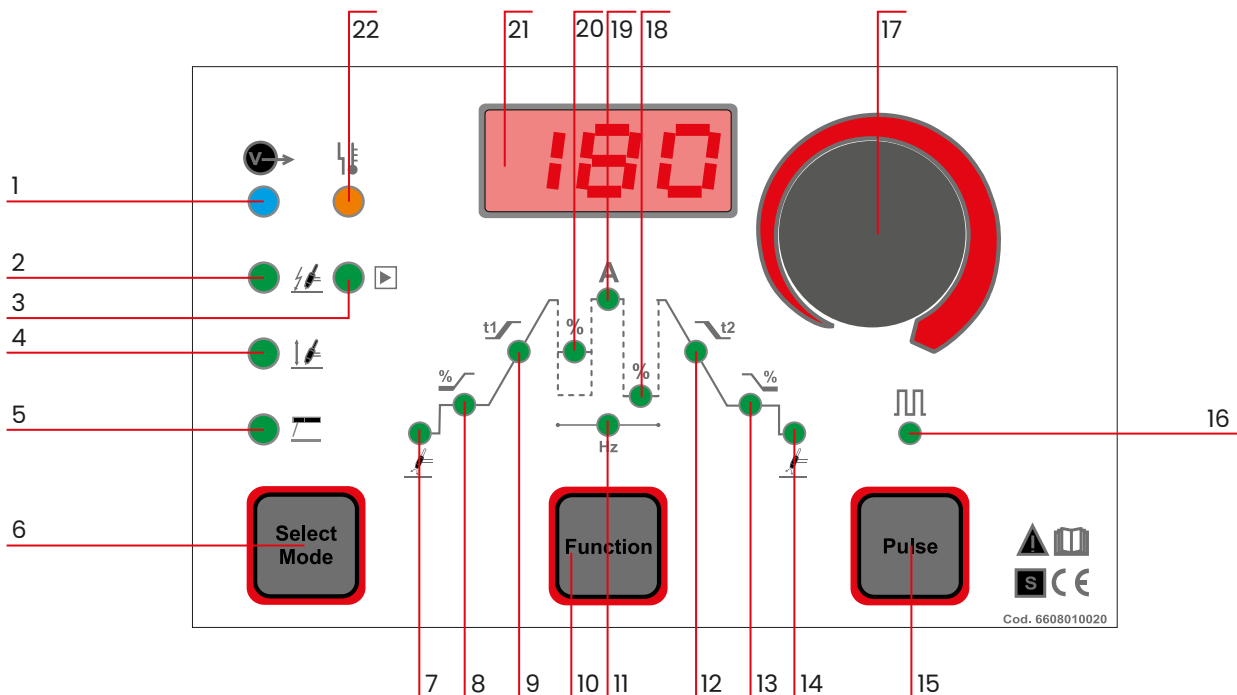
Technical Data

Main Voltage	230/240 V	Work Temperature	40°C
Phases	1	Current Range	4-180 A
Frequency	50/60 Hz	Welding Current 30% (25°C)	180 A
Real Current (30%)	13,5 A	Welding Current 100% (25°C)	120 A
Real Power (30%)	3 KVA	Welding Current 20% (40°C)	180 A
Power Factor	0,7	Welding Current 60% (40°C)	115 A
Efficiency	83%	Welding Current 100% (40°C)	105 A
No Load Voltage	95 V	Earth Clamp	25 mm ²
Degree of Protection	IP 23	Length x Width x Height	440x160x300
Insulation Class	H	Weight	11,5 Kg
Safety Approved			

The data were collected at a temperature of 40°C.

Front Panel Description

1. Welding enabled LED
2. Tig HF Mode LED
3. Sub Menù LED
4. Tig LIFT LED
5. MMA Mode LED
6. Button Select mode
7. Pre Gas LED (0,1 - 2 sec)
8. Base Current LED 1 (10 - 90%)
9. Led Slope Up (0,1 - 10 sec)
10. Tig Function Button
11. Pulse Frequency LED (0,4 - 300 Hz)
12. Led Slope Down (0,1 - 10 sec)
13. Base Current LED 2 (10 - 90%)
14. Post Gas LED (0,1 - 10 sec)
15. Pulse mode button
16. Pulse mode LED
17. Regulation Encoder
18. Pulse Base Current LED (10 - 90%)
19. Welding Current LED
20. Pulse Duty Cycle LED (10 - 90%)
21. Digital Display
22. Over temperature LED



Accessories

1. 6013070000

STEL Bag

2. 602040000L

Earth Clamp/ Cable 25mm² 3m

3. 602050000L

Eletrode Holder/Cable 25mm² 4m

4. 600514000L

Trolley MPL

5. 609910000L

Torch Tig TTS 17 4m Air + 7 PIN plug

6. 600972000L

Torch Tig TTS 17 8m Air + 7 PIN plug

7. 601089000L

Torch Tig TTS 17 4m Air Pot.1K + 7

PIN plug

8. 601629000L

Torch Tig TTS 17 8m Air Pot.1K + 7

PIN plug

9. 6443500000

7 PIN plug

10. 6056100000

Helmet Aspire Jackson

11. 6014910000

Gas Regulator with Flow Meter

