

# **SAXOTIG / SAXOTECH**

A full range of portable DC and AC/DC TIG welding units.



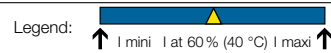
# Portable TIG welding units range for carbon st



2249-001

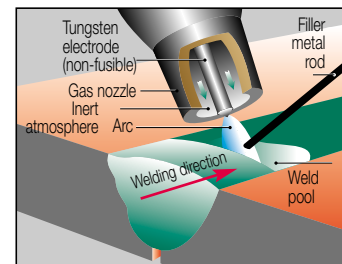
**SAXOTIG and SAXOTECH** are welding units intended for professional welders. They have settings and technical characteristics developed to give optimum use in all welding operations such as maintenance or any other type of technical intervention work. These inverters are portable and all weigh less than 22 kg. Single or three-phase power supply for high-quality, DC welding of carbon and stainless steels and for AC

## Selection criteria



Primary power supply	Nature of current		Arc striking		Welding current (in amps)			Cycle		Pulsed mode	Weight (kg)	Product name
	AC	DC	PAC	HF	100	200	300	Simple	Extended			
Single-phase	-	4	-	4				4	-	no	10	<b>SAXOTIG 160</b>
Three-phase	-	4	4	4				-	4	yes	16,5	<b>SAXOTIG 230</b>
Single-phase	-	4	4	4				-	4	yes	10	<b>SAXOTECH 170</b>
Single-phase	-	4	4	4				-	4	yes	19	<b>SAXOTECH 220</b>
Single-phase	4	4	-	4				4	-	yes	22	<b>SAXOTIG 160 AC / DC</b>

## Metal transfer



### 1 SAXOTIG 160

#### Product advantages:

- Single welding cycle,
- TIG DC or MMA mode,
- HF arc striking,
- Pre and post-gas adjustment.
- 2T/4T mode



2006-417

#### To order:

- **Power source only:**  
Cat. no. W 000 056 001
  - **Package\* version including:**
    - Generator with PROTIG 10 RLS torch
    - Pressure regulator - flowmeter
    - Earth cable
- Cat. no. W 000 242 062

### 2 SAXOTIG 230

#### Product advantages:

- Extended welding cycle,
- Pulsed function (50 Hz),
- 2 current levels,
- TIG DC or MMA mode,
- HF, lift-TIG arc striking,
- Pre and post-gas adjustment,
- 2T, 4T, spot mode,
- Manual remote control as an option,
- Remote control pedal as an option.



2006-629

#### To order:

- **Power source only:**  
Cat. no. W 000 265 121
  - **Package\* version including:**
    - Generator with PROTIG 20 RLS torch
    - Pressure regulator-flowmeter
    - Earth cable
- Cat. no. W 000 265 122

### 3 SAXOTECH 170

#### Product advantages:

- Digital display,
- Extended welding cycle,
- Pulsed function (250 Hz),
- 2 current levels,
- TIG DC or MMA mode,
- 2T, 4T, spot mode,
- Manual remote control as an option,
- Remote control pedal,
- HF, lift-TIG arc striking,
- Pre / post-gas adjustment.



2249-007

#### To order:

- **Power source only:**  
Cat. no. W 000 263 655
  - **Package\* version including:**
    - Generator with PROTIG 10 RLS torch
    - Pressure regulator-flowmeter
    - Earth cable
- Cat. no. W 000 242 063

## Technical characteristics:

	1 SAXOTIG 160	2 SAXOTIG 230	3 SAXOTECH 170
<b>Primary power supply</b>	230 V (+/-10%) single-phase - 50/60 Hz	400 V (+/-10%) three-phase - 50/60 Hz	230 V (+/-10%) single-phase - 50/60 Hz
<b>Max. consumption</b>	19 A (TIG) - 29 A (EE)	9.6 A	13 A (TIG) - 20 A (EE)
<b>No-load voltage</b>	82 V	80 V	66 V
<b>Welding current</b>	5-150 A DC	5-220 A DC	5-160 A DC
<b>Protection class</b>	IP 23	IP 23	IP 23
<b>Duty cycle</b>	150 A	220 A (25%)	160 A
<b>10- min cycle</b>	120 A	145 A	140 A
<b>(at 40 °C)</b>	100 A	110 A	110 A
<b>Dimensions (L x w x h)</b>	420 x 175 x 300 mm	472 x 152 x 385 mm	420 x 180 x 300 mm
<b>Net weight</b>	10 kg	16,5 kg	10 kg
<b>Standards</b>	EN 60974-1;-10	EN 60974-1;-10	EN 60974-1;-10
<b>Torch type</b>	RLS family	RLS family	RLS family
<b>Options</b>			
• Carriage	4000-5025	-	4000-5025
• Remote control	-	W 000 263 312	W 000 242 069
• Pedal	-	W 000 263 314	W 000 241 602

\* For French market

# eel, stainless steel and aluminum welding.

welding of aluminum. Apart from DC or AC current TIG welding, SAXOTIG and SAXOTECH can also be used for coated electrode welding up to a diameter of 4.0 mm. SAXOTIG and SAXOTECH are equipped with simple or extended welding cycles authorizing pulsed TIG welding at 250 Hz. Available as power sources only or as packages including a PROTIG RLS torch, a pressure regulator-flowmeter and an earth cable SAXOTIG or SAXOTECH will satisfy the most demanding welders.

## Add-ons:



**Manual remote control**  
Cat. no.: W 000 242 069  
and W 000 263 312



**QUICKFLOW pressure regulator-flowmeter with preset flow rates**  
Cat. no.: 0961-1115



**Eurolux Jet Advance mask**  
Cat. no.: W 000 261 354  
(version 3 000)  
Cat. no.: W 000 261 355  
(version 4 000)



**PROTIG maintenance box**  
Cat. no.: 0429-9001 (PROTIG 10 RLS)  
Cat. no.: 0429-9002 (PROTIG 20 RLS)



- 1 On/off switch
- 2 Adjustment of arc fading/step time
- 3 Selector: AC or DC welding
- 4 Power on indicator
- 5 Thermal defect indicator
- 6 Adjustment of penetration/cleaning ratio (balance)
- 7 Welding current adjustment
- 8 Frequency adjustment in AC and DC
- 9 Welding mode selector

### 4 SAXOTECH 220

#### Product advantages:

- Digital display,
- Extended welding cycle,
- Pulsed function (250 Hz),
- Primary consumption < 16 A,
- 2 current levels,
- TIG DC or MMA mode,
- 2T, 4T, spot mode,
- Manual remote control,
- Remote control pedal.



#### To order:

- **Power source only:**  
Cat. no. W 000 263 654
- **Package\* version including:**
  - Generator with PROTIG 20 RLS torch
  - Pressure regulator-flowmeter
  - Earth cable

### 5 SAXOTIG 160 AC/DC

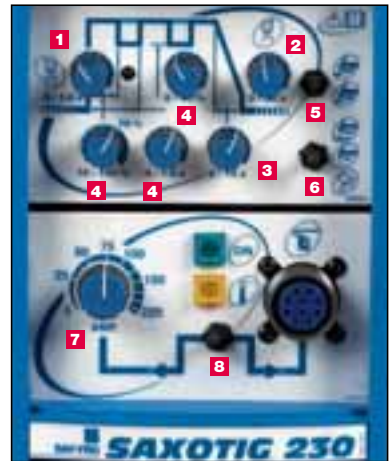
#### Product advantages:

- Single welding cycle,
- Pulsed function,
- HF arc striking,
- TIG DC / AC / MMA mode,
- 2T, 4T, spot mode,
- Pre and post-gas adjustment.



#### To order:

- **Power source only:**  
Cat. no. W 000 056 009
- **Package\* version including:**
  - Generator with PROTIG 10 RLS torch
  - Pressure regulator-flowmeter
  - Earth cable



- 1 Pre-gas adjustment
- 2 Post-gas adjustment
- 3 Fading time adjustment
- 4 Pulsed welding parameter adjustment
- 5 2T, 4T
- 6 Selection: MMA-TIG HF/PAC system arc striking
- 7 Welding current adjustment
- 8 Remote control selector



- 1 Thermal safety device
- 2 Direct current adjustment
- 3 On/off switch
- 4 Post-gas adjustment
- 5 Fading slope
- 6 Pre-gas adjustment
- 7 Choice of 2T/4T welding cycle or choice of arc process

### 4 SAXOTECH 220

230 V (+/-10%) single-phase - 50/60 Hz
< 16 A PFC
54 V
5-220 A DC
IP 23
220 A
180 A
150 A
445 x 230 x 465 mm
19 kg
EN 60974-1;-10
RLS family

### 5 SAXOTIG 160 AC/DC

230 V (+/-10%) single - phase - 50/60 Hz
13 A (TIG) - 23 A (EE)
82 V
5-150 A
IP 23
150 A (at 30 %)
100 A
80 A
430 x 220 x 250 mm
22 kg
EN 60974-1;-10
RLS family

4000-5025 + W 000 202 170  
W 000 242 069  
W 000 241 602

4000-5025 + W 000 202 170  
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## Contacts

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