

MMA/ SMAW

TRADITIONAL
1~ & 3~ • 100 › 220 A



MMA/ SMAW

TRADITIONAL
1~ & 3~ • 100 › 220 A

EXPERT	6
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INVERTER
1~ • 80 › 200 A

GYSARC	7
GYSMI	8

INVERTER
1~ & 3~ • 160 › 400 A

PROGYS	10
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EXPERT

MMA
TRADITIONAL



PROFESSIONAL 												
EXPERT 110			EXPERT 130			EXPERT 220 DV						
230 V • 1 ~			230 V • 1 ~			230V 1~ • 400V 2~						
100A			130A			220A						
 Ø 2÷2.5 mm			 Ø 2÷3.2 mm			 Ø 2÷4 mm						
												
 +  +  + 			 +  +  + 			 +  +  + 						
062375			015029			015128						
						connection 1~2~ + 						

	MADE IN P.R.C			I ₂	EN60974-1 (40°C)			U ₀	 / 	 Protected & compatible power generator (+/-15%)		 / 	
		50 / 60 Hz	A	A	I (60%)	X% (I ₂ max)	100%	V	cm / kg	kW	kVA	cm / kg	
EXPERT 110		230V 1 ~	8	75 ÷ 100 AC	—	—	—	48	47 × 24 × 32 / 13	6.5 kW	11 kVA	28 × 17 × 26 / 13	
EXPERT 130		230V 1 ~	10	55 ÷ 130 AC	53 A	10 %	—	48	47 × 24 × 36 / 18	6.8 kW	11.3 kVA	39 × 19 × 32 / 18	
EXPERT 220 DV		230V 1 ~	25	65 ÷ 220 AC	90 A	10 %	—	48	51 × 38 × 30 / 23	12 kW	20 kVA	42 × 37 × 25 / 23	
		400V 2 ~	13										

GYSARC

MMA
INVERTER

230 V • 1 ~



230 V • 1 ~									
GYSARC 80		GYSARC 100		GYSARC 120		GYSARC 160		GYSARC 200	
230 V • 1 ~		230 V • 1 ~		230 V • 1 ~		230 V • 1 ~		230 V • 1 ~	
80 A		100 A		120 A		160 A		200 A	
 Ø 1.6÷2.5 mm		 Ø 1.6÷2.5 mm		 Ø 1.6÷3.2 mm		 Ø 1.6÷4 mm		 Ø 1.6÷5 mm	
HS AF Anti Sticking		HS AF Anti Sticking		HS AF Anti Sticking		HS AF Anti Sticking		P400 HS AF Anti Sticking	
									
 + 		 + 		 + 		 + 		 + 	
1.6 m, 10 mm ² 065505		1.6 m, 10 mm ² 071551		1.6 m, 10 mm ² 013704		1.6 m, 16 mm ² 014664		1.6 m, 16 mm ² 065512	

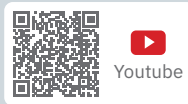
	MADE IN GYS CHINA	~			I ₂	INTEGRATED TECHNOLOGY				X% GYS (20°C)	EN60974-1 (40°C)					
			50 / 60 Hz	A	A	P400	HS	AF	Anti sticking	for normal use	I (60%)	X% (I2 max)	100%	Uo	cm	kg
GYSARC 80		1	230 V	16	10÷80	—	■	■	■	40% @ 80 A	50 A	20%	35 A	63 V	13×22×10	2
GYSARC 100		1	230 V	16	10÷100	—	■	■	■	25% @ 100 A	50 A	14%	35 A	63 V	13×22×10	2
GYSARC 120		1	230 V	16	10÷120	—	■	■	■	40% @ 120 A	70 A	20%	55 A	63 V	15×23×10	2.7
GYSARC 160		1	230 V	16	10÷160	—	■	■	■	20% @ 160 A	85 A	10%	70 A	63 V	15×23×10	2.9
GYSARC 200		1	230 V	32	20÷200	■	■	■	■	20% @ 200 A	100 A	10%	80 A	64 V	18×30×13	4.7



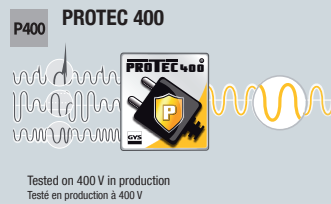
GYSMI

MMA INVERTER

230 V • 1~



Youtube



Tested on 400 V in production
Testé en production à 400 V



POTENTIOMETER

GYSMI 80P

230 V • 1 ~

80 A ⚡ Ø 1.6 → 2.5 mm

P400 HS AF Anti Sticking



029958



029941

GYSMI 130P

230 V • 1 ~

130 A ⚡ Ø 1.6 → 3.2 mm

P400 HS AF Anti Sticking



029972

030121



031449

GYSMI 160P

230 V • 1 ~

160 A ⚡ Ø 1.6 → 4 mm

P400 HS AF Anti Sticking



030077



030435



031555

GYSMI 200P

230 V • 1 ~

200 A ⚡ Ø 1.6 → 5 mm

P400 HS AF Anti Sticking



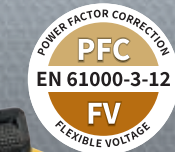
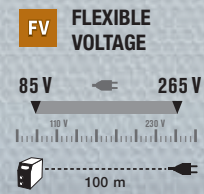
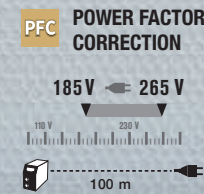
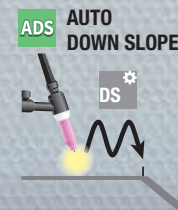
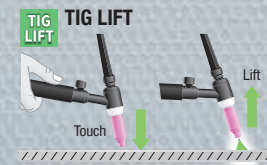
030794



031579



013360



DIGITAL

GYSMI E163

230 V • 1 ~

160 A ⚡ Ø 1.6 → 4 mm

P400 HS AF Anti Sticking MMA PULSE TIG LIFT ADS



036635



013728

GYSMI E200 FV

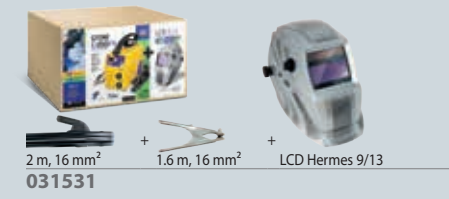
110 → 230 V • 1 ~

200 A ⚡ Ø 1.6 → 5 mm

P400 PFC FV HS AF Anti Sticking TIG LIFT ADS



031210



031531

OPTIONS

TIG torch kit SR17V (valve)

4 m, 10/25 mm²
for GYSMI:
✓ 130P
✓ 160P
✓ 200P
✓ E163
✓ E200FV

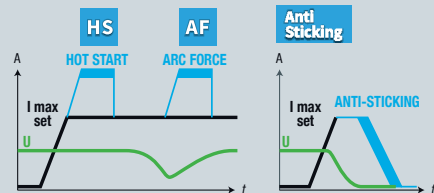
044425



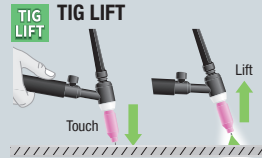
CE NORM. EN60974-1	MADE IN FRANCE	50/60 Hz	A	I ₂	(MMA) A	(TIG) A	Ø mm	Ø1.6	Ø2	Ø2.5	Ø3.2	Ø4	Ø5	P400	PFC	FV	HS	AF	Anti sticking	MMA PULSE	TIG Lift	ADS	X% GYS (20°C)	EN60974-1 (40°C)	I (60%)	X% (I ₂ max)	U ₀	cm / kg	cm / kg	Protected & compatible power generator (+/-15%)
GYSMI 80 P		230V	10	10→80	—	1.6→2.5	62	50	20	—	—	—	—	■	—	—	■	■	■	■	—	—	45% @ 80 A	31 A	5%	85 V	23 x 14 x 10 / 2.2	41 x 33 x 13 / 4.7	3.5 kW	3.7 kVA
GYSMI 130 P		230V	13	10→130	—	1.6→3.2	62	50	47	24	—	—	—	■	—	—	■	■	■	■	—	—	55% @ 115 A	45 A	5%	72 V	25 x 17 x 10 / 2.9	41 x 34 x 14 / 5.8	4.5 kW	5.0 kVA
GYSMI 160 P		230V	16	10→160	—	1.6→4	62	50	47	45	22	—	—	■	—	—	■	■	■	■	—	—	60% @ 160 A	85 A	14%	72 V	27 x 17 x 11 / 4.2	42 x 35 x 14 / 6.7	6.5 kW	7.5 kVA
GYSMI 200 P		230V	32	10→200	—	1.6→5	62	50	47	45	30	21	—	■	—	—	■	■	■	■	—	—	58% @ 200 A	110 A	14%	72 V	27 x 18 x 14 / 5	43 x 37 x 17 / 8	7.5 kW	10 kVA
GYSMI E163		230V	16	10→160	10→160	1.6→4.0	62	50	47	45	22	—	—	■	—	—	■	■	■	■	■	■	60% @ 160 A	85 A	14%	72 V	25 x 19 x 13.4 / 4.2	42 x 36 x 17 / 6.6	6.5 kW	7.5 kVA
GYSMI E200 FV		230V 110V	16 20	10→200 10→130	10→200 10→130	1.6→5.0	62	50	47	45	35	24	—	■	■	■	■	■	■	■	■	■	64% @ 200 A	120 A 95 A	22% 39%	96 V	27 x 21 x 14 / 5.5	42 x 37 x 17 / 8.8	7.5 kW	10 kVA

GYSARC PRO

MMA
INVERTER



Anti Sticking



VRD inside

Voltage Reduction Device

Software & Hardware protection

VRD ON	VRD OFF
U ₀ =	
220 FV	14 V 80/86 V
300 TRI	20 V 83 V
400 TRI	20 V 84 V



POWER FACTOR CORRECTION

PFC

EN 61000-3-12

FV

FLEXIBLE VOLTAGE



2 m

230V



3 m

400V

Compatible



EXATIG

013780



4 m

400V

70/95 mm²

Ø 13 mm

4 in 1



1

MMA



2

TIG DC LIFT

Torches & consumables p. 31



3

GOUGING

Accessories p. 15



4

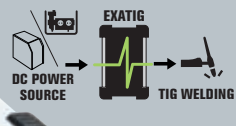
TIG HF • Exatig

EXATIG

013780



UNIVERSAL



details p.67

110 • 230 V • 1 ~

400 V • 3 ~

GYSARC 220 FV CEL

110 • 230 V • 1 ~

220 A

Ø 1.6÷5 mm

P400 PFC FV

VRD inside HS AF CEL cellulosic

Dynamic arc system MMA PULSE Anti Sticking

TIG LIFT TIG PULSE AD IP 23

3 m, 25 mm²

+

3 m, 25 mm²

065529

PFC POWER FACTOR CORRECTION

185 V 265 V

100 m

FV FLEXIBLE VOLTAGE

85 V 265 V

100 m

GYSARC 300 TRI

400 V • 3 ~

300 A

Ø 1.6÷6.3 mm

VRD inside HS AF Anti Sticking CEL cellulosic

TIG LIFT IP 23 GOUGING

no accessories : 064959

GYSARC 400 TRI

400 V • 3 ~

400 A

Ø 1.6÷6.3 mm

VRD inside HS AF Anti Sticking CEL cellulosic

TIG LIFT GOUGING IP 23

no accessories : 013551

OPTIONS



Pince de gougeage - Gouging Torch
- Fugenobel-Zange
1 000 A
041516



Adaptateur gougeage
- Gouging clamp adapter
- Fugenobeladapter
70 mm² - 5 m
040670



Électrodes de gougeage - Gouging
- Electrodes - Fugenobelektrode
- Electrodoes de carbono

Ø 5 mm (x50) 069756

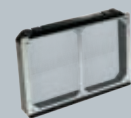
Ø 6.4 mm (x50) 086081

Ø 8 mm (x50) 086098

OPTIONS

Filter kit

046580





Hand remote control
RC-HA1
8 m

045675





JOB SITE XL

600 x 1150 x 584 mm

039568



MMA KIT 7
500 A
047419

L m	model	L m	model	mm ²	mm ²
5	SHARK X500.95	4	TYREX 600.95	50	35/50



TIG torch kit SR17 V (valve)
4 m, 35/50 mm², Ø13

044401

	MADE IN GYS CHINA	~				I ₂	INTEGRATED TECHNOLOGY							X% GYS (20°C)	EN60974-1 (40°C)						Protected & compatible power generator (+/-15%)
			50 / 60 Hz	m	A		A	P400	VRD	HS	AF	Anti sticking	CEL	TIG Lift	IP 23	for normal use	I (60%)	X% (I2 max)	100%	Uo	
GYSARC 220 FV CEL		1	230V	2	16	10 ÷ 220	■	■	■	■	■	■	■	40% @ 220 A	130 A	20%	100 A	86 V	42 × 21 × 35/ 10.5	10 kW	12.5 kW
			110V		32	10 ÷ 120	■	■	■	■	■	■	■	60% @ 120 A	90 A	30%	70 A	80 V			
GYSARC 300 TRI		3	400 V	3	16	20 ÷ 300	—	■	■	■	■	■	■	100% @ 300 A	300 A	60%	230 A	83 V	54 × 46 × 28/ 26	10 kW	12.5 kW
GYSARC 400 TRI		3	400 V	4	32	20 ÷ 400	—	■	■	■	■	■	■	100% @ 400 A	400 A	60%	350 A	84 V	58 × 52 × 30/ 38	30 kW	36 kW

GYSARC PRO

MMA • INVERTER

ACIER/STEEL

6013 - Rutile - Rutile- Rutilos - Rutielen - Rútilos

Normes - Norms - Normen - Norma

AWS A 5.1 : E 6013
EN ISO 2560-A : E 420 RC 11
DB  - Zulassung-Nr : 10.064.02

Position



Polarity (-)

Mechanic

Re : 440 Mpa
Rm : 540 Mpa
A 5 d : 24%
Impact energy : 0°C 50j



					kg
A					
Ø 1.6	300	210	■	085114	1.65
Ø 2.0	350	155	■	085121	2.08
Ø 2.5	350	110	■	085138	2.11
Ø 3.2	350	70	■	085145	2.09
Ø 4.0	350	47	■	085152	2.21
B					
Ø 2.0	350	355	■	085022	4.82
Ø 2.5	350	230	■	085039	4.46
Ø 3.2	350	165	■	085046	4.85
Ø 4.0	350	110	■	085053	5.39



					kg
A					
Ø 1.6	17	084315			
	50	084414			
Ø 2.0	13	084322			
	50	084421			
Ø 2.5	11	084339			
	50	084438			
	9	084346			
Ø 3.2	50	084445			
	8	084353			
Ø 4.0	50	084452			



				kg 
Ø 2.5	350	75	081598	1.5
		252	086005	4.6
Ø 3.2	350	54	081604	1.7
		172	086012	5
Ø 4.0	350	117	086029	5

7018 (low hydrogen) - Basic - Basisch - Básicos - Basis

Normes - Norms - Normen - Norma

AWS A 5.1 : E 7018-1
ISO 2560-A : E 42 4B 42 H5

Position



Polarity (+/-)

Mechanic

Re : 470 Mpa
Rm : 560 Mpa
A 5d : 26%
Impact energy : -40°C 60j
H2-H5 (5 ml/100 g)



					kg
A					
Ø 2.0	300	13	A 066717		
		10	A 066724		
Ø 2.5	350	210	B 081918		
		84		081970	
		7	A 066731		
Ø 3.2	350	130	B 081925		
		54		081987	
		6	A 066748		
Ø 4.0	350	96	B 081932		
		38		081994	

ALUMINIUM - Aluminium - Aluminio

4043

Normes - Norms - Normen - Norma

AWS A 5.3 : E 4043
ISO 18273 : Al 4043 A
DIN 1732 : EL-AISi5

Position



Polarity (+)

Mechanic

Re : 100 MPa
Rm : 200 MPa
A 5 d : 5%
Impact energy : -20°C 20j



				kg
A				
Ø 2.5	7	073708	-	
Ø 3.2	5	084803	-	
Ø 3.2	147	081949	2	

ACIER INOXYDABLE - Stainless Steel - Edelstahl

312R



Position



Polarity (+)

Normes - Norms - Normen - Norma

AWS 5.4 / E312-16
EN ISO 3581-A / E 29 9 R

Mechanic

Re : 450 MPa
Rm : 680 MPa
A 5 d : 25%
Impact energy : -20°C 60j

Dissimilar Electrodes - Maintenance & Repair

			
A			
Ø 2.0	84	073661	
Ø 2.5	54	081475	
Ø 3.2	28	081468	
Ø 4.0	19	073678	

308L



Position



Polarity (+)

Normes - Norms - Normen - Norma

AWS A 5.4 : E 308 L-17
EN ISO 3581-A : E 19 9L R32

Mechanic

Re : 380 MPa
Rm : 600 MPa
A 5 d : 38%
Impact energy : -20°C 60j

			
A			
Ø 2.0	14	073692	
Ø 2.5	10	082328	

316L



Position



Polarity (+)

Normes - Norms - Normen - Norma

AWS A 5.1 : E 316 L-16
EN ISO 3581-A : E 19 12 3L R31
DIN 8556 : E 19 12 3 NCR23

Mechanic

Re : 350 MPa
Rm : 490 MPa
A 5 d : 30%
Impact energy : -20°C 60j

			
A			
Ø 1.6	14	073685	
Ø 2.0	12	082359	
Ø 2.5	10	082335	
Ø 2.5	30	081499	
Ø 3.2	8	082342	
Ø 3.2	25	081482	
Ø 3.2	600 (20 kg)	081963	

FORTE - Cast Iron - Gusselektroden - Hierro Colado - Gietijzer - Ferro Fundido



Normes - Norms - Normen - Norma

AWS A 5.15 : E Ni Fe Cl
EN ISO 1071 : EC NiFe-Cl1
DIN 8573 : E Ni Fe BG 13

Position



Polarity (+)

Mechanic

Re : 390 MPa
Rm : 550 MPa

			
A			
Ø 2.5	12	083332	
Ø 3.2	9	083349	
Ø 3.2	156	081956	

RECHARGEMENT - Hardfacing - Auftragschweißen - Recargue - Herladen - Enchimento



Normes - Norms - Normen - Norma

EN 14700 : E Fe 2
DIN 8555 : E2-UM-60

Position



Polarity (-)

Mechanic

55/60 HRC
580-610 HB

		X ... 		kg 
Ø 3.2	450	141	081529	6.6
Ø 4.0	450	93	081512	6.8

Ø 2.5	350	46	081543	1
Ø 3.2	450	22	081574	1
Ø 4.0	450	14	081581	1

CARQUOIS ISOTHERMIQUE POUR ÉLECTRODES - Electrode canister - Thermo-Isolierbox für Schweißelektroden



45 cm
Capacité - Capacity
- Kapazität - Capacidad :
7 kg
060258

ÉTUVES ÉLECTRODES - Electrodes oven - Elektrodenufen

DRY 5.150
Capacity :
5 kg - 150°C
060685



DRY 5.200R
Capacity :
5 kg - 50>200°C
060692



DRY 10.350R
Capacity :
10 kg - 50>400°C
060708

