

PROTIG

TIG DC



 Youtube



P400

PROTEC 400



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

PFC

POWER FACTOR CORRECTION

185 V ↔ 265 V



100 m

FV

FLEXIBLE VOLTAGE

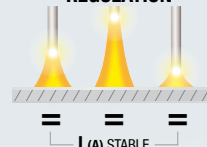
85 V ↔ 265 V



100 m

SR

SECONDARY REGULATION



I (A) STABLE

VRD inside

Voltage Reduction Device

Software & Hardware protection

VRD ON	Uo (EN60974-1)	U (Voltmeter)
VRD OFF	26 V	29 V
ON → OFF sensibility	70 V	57 V
OFF → ON delay		< 200 Ω
		< 0.3 s

AID

ADJUST IDEAL POSITION



IP 23

INDOOR /OUTDOOR





PROTIG 161 DC

160 A

230 V • 1 ~

P400

SR

AID



TIG PULSE



MMA PULSE



2m, 25mm² 2 m, 25mm² TIG17B, 4m

062054

PROTIG 200 DC

200 A

230 V • 1 ~

P400

SR

AID



TIG PULSE



MMA PULSE



2m, 25mm² 2m, 25mm² TIG26B, 4m

062009

PROTIG 231 DC FV

230 A

110 → 230 V • 1 ~

P400

PFC

FV

SR

VRD inside

AID



TIG PULSE



MMA PULSE

no accessories :

079304



2m, 25mm² 2m, 25mm² TIG26B, 4m

079311



PROTIG 231L DC PFC

230 A

230 V • 1 ~

P400

PFC

SR

VRD inside

AID



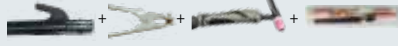
TIG PULSE



MMA PULSE

no accessories :

079328



2m, 25mm² 2m, 25mm² TIG20B, 4m

079335



PROTIG 250 DC TRI

250 A

400 V • 3 ~

SR

AID

CEL

cellulosic



TIG PULSE



MMA PULSE

IP 23



4m, 25mm² TIG26B, 4m

082649



Remote control

All compatibilities p.102



Heavy duty cases

All compatibilities p.100



					I ₂ TIG	I ₂ MMA	INTEGRATED TECHNOLOGY												TIG			MMA					
																			EN60974-1 (40°C)			EN60974-1 (40°C)					
							50 / 60 Hz	A	A	A	A	P400	PFC	FV	SR	VRD	AID	TIG PULSE	MMA PULSE		IP23	IA (60%)	X% (I2 max)				
 MADE IN FRANCE	PROTIG 161 DC	230 V 1~	16		10 → 160	10 → 160	■	—	—	■	—	■	0.1 → 100 Hz	0.4 → 20 Hz	—	—	105 A	20 %	95 A	95 A	15 %	92 V	6 kW	7.5 kVA	062054 - 36 × 24 × 35 / 13		
MADE IN GYS CHINA	PROTIG 200 DC	230 V 1~	16		5 → 200	10 → 160	■	—	—	■	—	■	0.1 → 900 Hz	1 → 20 Hz	—	—	115 A	20%	90 A	90 A	20 %	65 V	7.5 kW	10 kW	46 × 31 × 37 / 16		
 MADE IN FRANCE	PROTIG 231 DC FV	110 V 1~	16		10 → 160	10 → 120	■	■	■	■	■	■	0.1 → 2000 Hz	0.4 → 500 Hz	■	—	110 A	20 %	95 A	75 A	15 %	65 V	8.5 kW		079304 - 51 × 30 × 38 / 11.4		
		230 V 1~	16		10 → 230	10 → 200	■	■	■	■	■	■	0.1 → 2000 Hz	0.4 → 500 Hz	■	—	160 A	23 %	140 A	135 A	25 %	80 V			079311 - 51 × 30 × 38 / 15.9		
	PROTIG 231L DC PFC	230 V 1~	16		10 → 230	10 → 200	■	■	—	■	■	■	0.1 → 2000 Hz	0.4 → 500 Hz	■	—	160 A	23%	140 A	135 A	25%	80 V	8.5 kW		079328 - 51 × 30 × 59 / 17.5 079335 - 51 × 30 × 59 / 21.8		
MADE IN GYS CHINA	PROTIG 250 DC TRI	400 V 3~	16		5 → 250	10 → 220	—	—	—	■	—	■	0.1 → 900 Hz	1 → 20 Hz	■	■	190 A	35 %	147 A	168 A	35%	58 V	10 kW	12.5 kVA	46 × 33 × 40 / 19.5		



MIG/MAG

MULTIWELD

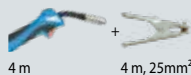
INVERTER • WHEELS



400 V • 3 ~

MULTIWELD 250T

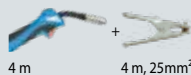
250 A	Ø 200/300
P400	GAS NO GAS MMA Anti Sticking



078635

MULTIWELD 320T

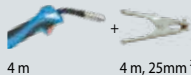
320 A	Ø 200/300
P400	GAS NO GAS MMA Anti Sticking



079250

MULTIWELD 400T

400 A	Ø 200/300
P400	GAS NO GAS MMA Anti Sticking



081031

PACK MULTIWELD 400T G

pack MULTIWELD 400T G 1 088351	350 A, 4m, air 063792	4 m, 50 mm² 047853	5 m, air Ø70 mm² 083998	WF 20 083981
pack MULTIWELD 400T G 2 088368	350 A, 4m, air 063792	4 m, 50 mm² 047853	10 m, air Ø70 mm² 084001	WF 20 083981



400 V • 3 ~

MULTIWELD 400T G

400 A
P400 GAS NO GAS MMA
Anti Sticking TIG AIR



no accessories :
083974

MULTIWELD 400T GW

400 A
P400 GAS NO GAS MMA
Anti Sticking TIG AIR



no accessories :
091634

WIRE FEEDERS



WF 20

50 W

Ø1.0/1.2 (original equipment)
083981



WF 21

50 W

Ø1.0/1.2 (original equipment)
092648

Connection cable
- Faisceaux de liaison
- Zwischenschlauchpakete



✓ Multiweld 400T G

AIR COOLED

5 m 70 mm² 083998
10 m 70 mm² 084001

✓ Multiweld 400T GW

LIQUID COOLED

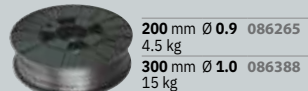
5 m 70 mm² 092921
10 m 70 mm² 091641

OPTIONS

NO GAS Fil fourré - Flux cored wire - Fülldrahtelektrode



- Consumables durability
- Extended torch lifetime
- Cost reduction



200 mm Ø 0.9 086265
4.5 kg
300 mm Ø 1.0 086388
15 kg

NO GAS WELDING KIT Ø 0.9 - Kit soudage no gaz Ø 0.9 - Schweißset Fülldraht

250 A type A

✓ Multiweld 250T



072336
+ Type A (x1)
042346

250 A type B

✓ Multiweld 320T
✓ Multiweld 400T



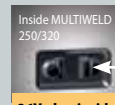
072343

CO2 Gas heater and regulator

MULTIWELD only
AC36V/150W

RH-258,
G5/8 CN
063341

GH-258,
G3/4 Russia
063358



36V plug inside

*Only available from
GYS China

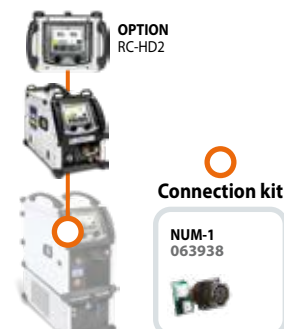
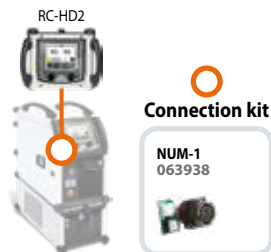


 MADE IN GYS CHINA		50/60 Hz				I ₂ MMA	I ₂ MIG	EN60974-1 (40°C)									Ø mm				Ø mm	Original equipment Équipement d'origine Originalausstattung Equipamento de fabrica			
			mm ²	m				A	A	A	MIG						MMA			MIG/MAG (Gas)	Flux Cored (Gas / No Gas)				MMA
											IA (60%)	X% (I2 max)	100%				IA (60%)	X% (I2 max)	100%						
MULTIWELD 250T		400 V 3~	4x 1.5	3	16	40 → 250	40 → 250	200	250 A @ 30%	180 A	200	250 A @ 30%	180 A	59				0.6 → 1.2	0.9 → 1.2	1.6 → 5	0.8/1.0	A - 041189	9 kW	78×37×68 / 48.1	
MULTIWELD 320T		400 V 3~	4x 2.5	3	16	40 → 300	40 → 320	240	320 A @ 30%	200 A	220	300 A @ 30%	180 A	64				0.6 → 1.2	0.9 → 1.2	1.6 → 6	1.0/1.2	B - 046849	13 kW	79×37×67 / 54.2	
MULTIWELD 400T		400 V 3~	4x 4	5	32	40 → 400	40 → 400	300	400A @ 35%	240 A	300	400 A @ 35%	240 A	70				0.6 → 1.2	0.9 → 1.6	1.6 → 6	1.0/1.2	B - 046849	20 kW	96×40×81 / 74	
MULTIWELD 400T G		400 V 3~	4x 4	5	32	40 → 400	20 → 400	300	400A @ 35%	280 A	320	400 A @ 35%	280 A	78	—	—	—	—	—	1.6 → 6	—	—	20 kW	90×55×84 / 55	
MULTIWELD 400T GW		400 V 3~	4x 4	5	32	40 → 400	20 → 400	300	400A @ 35%	280 A	320	400 A @ 35%	280 A	78	—	—	—	—	—	1.6 → 6	—	—	20 kW	90×55×84 / 55	
WF 20					—			500	60%			—						0.8 → 1.2	0.9 → 1.6	—	1.0 / 1.2	B - 046849	—	69×34×55 / 17	
WF 21					—			500	60%			—						0.8 → 1.2	0.9 → 1.6	—	1.0 / 1.2	B - 046849	—	69×34×55 / 17	

NEOPULSE 320C & 400CW

CONFIGURATION 2

CONFIGURATION 1



MIG WIRE FEEDER

- ✓ NEOPULSE 320C
- ✓ NEOPULSE 400 CW
- ✓ NEOPULSE 400G
- ✓ NEOPULSE 500G

NEOFEED 4W

- AIR
- LIQUID
- IP 23

PUSH PULL
COMPATIBILITY
24/42V

connection cable not included
014527



OPTIONS

CONNECTION CABLES

		AIR COOLED	LIQUID COOLED
5 m	70 mm²	047587	047617
10 m	70 mm²	047594	047624
10 m	95 mm²	047600	047631

ROLLERS

047020

SKIS

047037

EN60974-1 (40°C)	Electronic Control	max	Ø mm	Ø mm	Equipement d'origine - Original equipment Originalausstattung - Equipamiento de fabrica	TYPE	L x W x H cm / kg
IA 60%	X% I2 max	m/min	200	300	GAS NO GAS	F-061873	69 x 40 x 50 / 21.6
500	60	22	■	■	0.6 → 1.6 0.9 → 2.4 1.0 / 1.2 mm		

REMOTE CONTROL

- ✓ NEOPULSE 320C
- ✓ NEOPULSE 400 CW
- ✓ NEOPULSE 400G
- ✓ NEOPULSE 500G
- ✓ NEOFEED 4W

RC-HD2

SOFTWARE UPDATE

command cable not included
062122



included fixation



OPTIONS

Command cable

6 m	063914
11 m	036925

MAGNETFIX 50

029637



Fixing kit 2 for trolley T/M 400A

037779



EXTEND PRODUCTIVITY

x2 DOUBLE WIRE FEEDER

- ✓ NEOPULSE 400G
- ✓ NEOPULSE 500G



CONFIGURATION 1



CONFIGURATION 2



Connection kit

- NUM-2 064942
- NUM MIG 1 062993
- NUM-1 063938

DOUBLE WIRE FEEDER OPTIONS



Fixation kit for trolley

- ✓ T/M 400 A
- ✓ 10M³ L + wire feeder support

064690



TWINCOOL

Cooling unit 1000 W, 5.5 L liquid not included

065086



NEOPULSE 320C

pack NEOPULSE 320C A1 062849			4m, 70 mm² 036994		350 A, 4 m, air 063792	
pack NEOPULSE 320C A2 062856		TYPE F, Alu, Ø 1/1.2 (x4) 061903	4m, 70 mm² 036994			350 A, 3 m, air 063808
pack NEOPULSE 320C W1 084704	WCU 1kW C 013537		4m, 70 mm² 036994	10 m³ L 075498	500 A, 4 m, liquid 081147	
pack NEOPULSE 320C W2 084711	WCU 1kW C 013537	TYPE F, Alu, Ø 1/1.2 (x4) 061903	4m, 70 mm² 036994	10 m³ L 075498		500 A, 3 m, liquid 081154



NEOPULSE 400CW

pack NEOPULSE 400CW 1 071483			4m, 70 mm² 043831		500 A, 4 m, liquid 041004	
pack NEOPULSE 400CW 2 071490		TYPE F, Alu, Ø 1/1.2 (x4) 061903	4m, 70 mm² 043831			500 A, 3 m, liquid 081154



NEOPULSE 400G

pack NEOPULSE 400G A1 084728	NEOFEED 4W 014527		5 m, air, ø 70 mm² 047587	4m, 70 mm² 043831	10 m³ L + wire feeder support 077522		450 A, 4 m, air 087613		
pack NEOPULSE 400G W1 084735	NEOFEED 4W 014527	Koolweld 5 1000W 032750	10 m, liquid, ø 95 mm² 047631	4m, 70 mm² 043831	10 m³ L + wire feeder support 077522			580 A, 4 m, liquid 091610	
pack NEOPULSE 400G W2 084742	NEOFEED 4W 014527	Koolweld 5 1000W 032750	10 m, liquid, ø 95 mm² 047631	TYPE F, Alu Ø 1/1.2 (x4) 061903	4m, 70 mm² 043831	10 m³ L + wire feeder support 077522		580 A, 3 m, liquid 091627	
pack NEOPULSE 400G W3 084759	x2 NEOFEED 4W 014527	TWINCOOL 1000W 065086	10 m, liquid, ø 95 mm² 047631	TYPE F, Alu Ø 1/1.2 (x4) 061903	4m, 70 mm² 043831	10 m³ L + wire feeder support 077522	fixation kit 064690	580 A, 4 m, liquid 091610	580 A, 3 m, liquid 091627
pack NEOPULSE 400G W4 066540	x2 NEOFEED 4W 014527	x2 Rollers 047020	TWINCOOL 1000W 065086	10 m, liquid, ø 95 mm² 047631	TYPE F, Alu Ø 1/1.2 (x4) 061903	4m, 70 mm² 043831		Pallet trolley 064621	580 A, 4 m, liquid 091610
pack NEOPULSE 400G W5 084797	NEOFEED 4W 014527	Koolweld 5 1000W 032750	10 m, liquid, ø 70 mm² 047624						
pack NEOPULSE 400G W6 084810	NEOFEED 4W 014527	Koolweld 5 1000W 032750	10 m, liquid, ø 70 mm² 047624				500 A, 4 m, liquid 041004		
pack NEOPULSE 400G W7 084827	NEOFEED 4W 014527	Koolweld 5 1000W 032750	10 m, liquid, ø 70 mm² 047624	TYPE F, Alu Ø 1/1.2 (x4) 061903	4m, 50 mm² 047853	10 m³ L + wire feeder support 077522		500 A, 3 m, liquid 081154	

NEOPULSE 500G

pack NEOPULSE 500G W1 084766	NEOFEED 4W 014527	Koolweld 5 1000W 032750	10 m, liquid, ø 95 mm² 047631		4m, 95 mm² 047013	10 m³ L + wire feeder support 077522		580 A, 4 m, liquid 091610	
pack NEOPULSE 500G W2 084773	NEOFEED 4W 014527	Koolweld 5 1000W 032750	10 m, liquid, ø 95 mm² 047631	TYPE F, Alu Ø 1/1.2 (x4) 061903	4m, 95 mm² 047013	10 m³ L + wire feeder support 077522		580 A, 3 m, liquid 091627	
pack NEOPULSE 500G W3 084780	x2 NEOFEED 4W 014527	TWINCOOL 1000W 065086	10 m, liquid, ø 95 mm² 047631	TYPE F, Alu Ø 1/1.2 (x4) 061903	4m, 95 mm² 047013	10 m³ L + wire feeder support 077522	fixation kit 064690	580 A, 4 m, liquid 091610	580 A, 3 m, liquid 091627
pack NEOPULSE 500G W4 066564	x2 NEOFEED 4W 014527	x2 Rollers 047020	TWINCOOL 1000W 065086	10 m, liquid, ø 95 mm² 047631	TYPE F, Alu Ø 1/1.2 (x4) 061903	4m, 95 mm² 047013		Pallet trolley 064621	580 A, 4 m, liquid 091610

NEW
08/2026



STUD WELDING

GYSTUD CAPATEK

CAPACITOR DISCHARGE



**Alu / Steel /
Stainless steel /
Brass**

Alu / Acier / Inox /
Laiton

Adjustable force

G1 GUN: 20 > 50 N
C1 GUN: 20 > 100 N



example : G1 GUN

Integrated counter

incremental or decremental



Smart LED light

Ready
Perfect positioning

Alert
Charging capacitors,
wrong parameters
or error

Studs count reached

Adjustable lift

G1 GUN only



Solenoid
inside

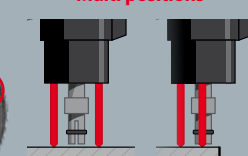
1 > 5 mm

More accessibility

High
stability

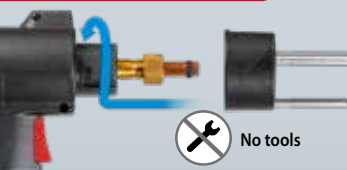


Multi positions



ideal for sheet
metal edges

Smart lock/unlock system



No tools

Ultra light



	Ref.	Process	Process steps	Materials				Solenoid inside	Adjustable force	Adjustable lift	Original equipment	Weight	Length
				Steel	Stainless steel	Alu	Brass						
G1 GUN	087361	Gap		■	■	■	■	■	20 > 50 N	1 > 5 mm	chuck M6 included	660 g	3 m
C1 GUN	087378	Contact		■	■	—	—	—	25 > 100 N	—	chuck M6 included	450 g	4 m

CENTRING KITS

Ideal for use with a jig
Smart lock / unlock system



Open nozzle
083127

Anti-spatter,
noise suppression
083110



Earth cable - Gap (G1 gun)
2 m, 50 mm² / 2 x 1 m, 25 mm²
087392

Earth cable - Contact (C1 gun)
2 m, 35 mm² / 2 x 2 m, 16 mm²
087385

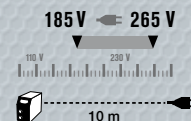


**CHUCKS
HOLDER
BOX**
080935

Alu magnesium				Alu silicium				Steel - Acier	
12 mm				12 mm				16 mm	20 mm
M4 x200	M4 x1000	M5 x100	M6 x100	M4 x200	M4 x1000	M5 x100	M6 x100	M6 x200	M8 x200
050273	050129	048140	048133	050280	050136	048126	048003	081345	081352

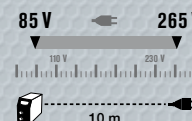
PFC

**POWER FACTOR
CORRECTION**



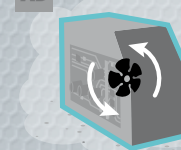
FV

**FLEXIBLE
VOLTAGE**



AD

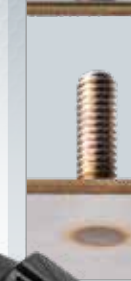
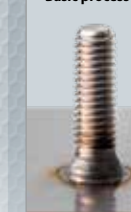
ANTI-DUST



**Clean
appearance**

**Minimal penetration
No marks
No distortions**

Basic process



Capatek



example : stainless steel

OPTION



Universal 800
051331

GYSTUD CAPATEK 66 FV

110 > 230 V • 1 ~

66 mF

P400 PFC FV AD



+ **G1 GUN**
3 m, 25 mm²

+ **Double earth clamp**
2 m, 50 mm² /
2 x 1 m, 25 mm²

081000



+ **C1 GUN**
4 m, 25 mm²

+ **Double earth clamp**
2 m, 35 mm² /
2 x 2 m, 16 mm²

076747

MADE IN FRANCE 60974-1	50/60 Hz	I ₂ A	Ø max mm	SYNERGIC	L m	Consumables mm	TECHNOLOGY PFC FV	U ₂ V	A	L x W x H cm / kg	L x W x H cm / kg
GYSTUD CAPATEK 66 FV	110 > 230 V	2 m	13 000 A	8 mm	3 m 4 m	6 > 40 mm	■ ■	50 > 200 V	5 A	40 x 24 x 28 / 11	081000 - 49 x 38 x 31 / 16.5 076747 - 49 x 38 x 31 / 15

GYSTUD CAPATEK

STUD WELDING • CAPACITOR DISCHARGE



GYSTUD ARCPULL

GYSTUD ARCPULL

DRAWN ARC



Alu / Steel
Alu / Acier



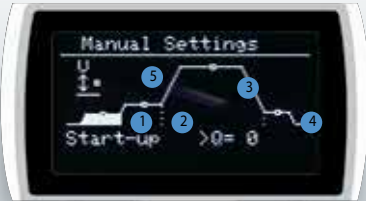
MANUAL

7 languages
FR, EN, DE, SP, IT,
NL & RU



SYNERGIC

- Rings - Anneaux - Zugösen
- Studs - Goujons - Gewindebolzen
- Stainless steel nails - Tiges inox - Edelstahlnägel



EXPERT Control

- Start-up - Amorce - Zündung
- Scouring (l & t) - Décapage - Abbeizen
- Arc (l & t) - Arc - Lichtbogen
- Hitching (l & t) - Accroche - Verklebung
- Height - Hauteur - Höhe

SYNERGIC DIGITAL GUNS

★★★★★

UNIQUE
Linear Motor

DRAWN ARC PROCESS
Gas protection

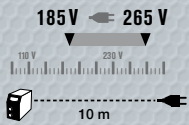


FULL CONTROL

Easy lock/unlock system

PFC

POWER FACTOR
CORRECTION



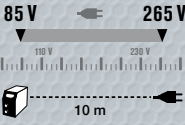
PFC

EN 61000-3-12

POWER FACTOR
CORRECTION

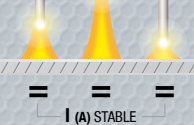
FV

FLEXIBLE
VOLTAGE



SR

SECONDARY
REGULATION



AD

ANTI-DUST



Youtube



Consumables for Gun

x2
059627

Ø max
Alu/Fe: 8 mm

GYSTUD ARCPULL 350 INDUSTRY

208 · 240V · 1~

350 A

1x MANUAL

PFC SR AD



082946

+ 3 m, 25 mm²

+ 064591



Ø max
Alu: 10 mm
Fe: 13 mm

Ideal
all position

GYSTUD ARCPULL 700 INDUSTRY

380 · 480V · 3~

680 A

1x MANUAL

SR IP 23



062207

+ 5 m, 50 mm²

+ Double earth clamp
3 m, 50 mm²

+ Complete stand ceramic
ferrule Standard 700

068322

OPTIONS



15L/min
(FR) 041998
(UK) 040274
(NL) 040267
(IT) 038691



30L/min
(FR) 041622
(UK) 041646
(DE) 041219
(NL) 041615
(IT) 038707



Weld 810
for ARCPULL
350

037489



Weld 910
for ARCPULL
700

070967

 MADE IN FRANCE	 60974-1			I ₂		SYNERGIC				TECHNOLOGY	U ₂		kW	 / 				
		50/60 Hz					A	Ø max	Acier/Steel	Alu	Consumables	PFC		V	A	L × W × H cm / kg		
GYSTUD ARCPULL 350		208 ÷ 240 V	6 m	10 × 350	Alu/Fe: 8 mm	■	Manual + Digital Gun Motion Control		20 × 100 mm	■	20.4, 34 V	16	1.1.9	48 × 36 × 30 / 17.4	23 × 31 × 28	11 kg	14.3 kg	
GYSTUD ARCPULL 700		3x 400 V 3x 480 V	5 m	50 × 680	Alu: 10 mm Fe: 13 mm	■	Manual + Digital Gun Motion Control		20 × 100 mm	—	22, 44 V	20 A (D) 16 A (D)	47.8 kW 45.7 kW	60 × 34 × 46 / 25.5	32 × 32 × 41	17.4 kg	20.4 kg	

GYSTUD ARCPULL

STUD WELDING • DRAWN ARC