ELECTREX®
welding since 1946

PRODUCT CATALOGUE
2024

OVER 70 YEARS OF EXPERIENCE IN THE FIELD OF WELDING

When João Rodrigues de Matos conceived the first welding equipment in 1946, it was far from imagining the importance and the repercussion that the Electrex brand currently has around the globe. Over 70 years, Electrex maintains a worldwide presence in the most diverse markets with great influence in the welding world. The accuracy and trust that characterize relationships with our customers are the key to seven decades of success.

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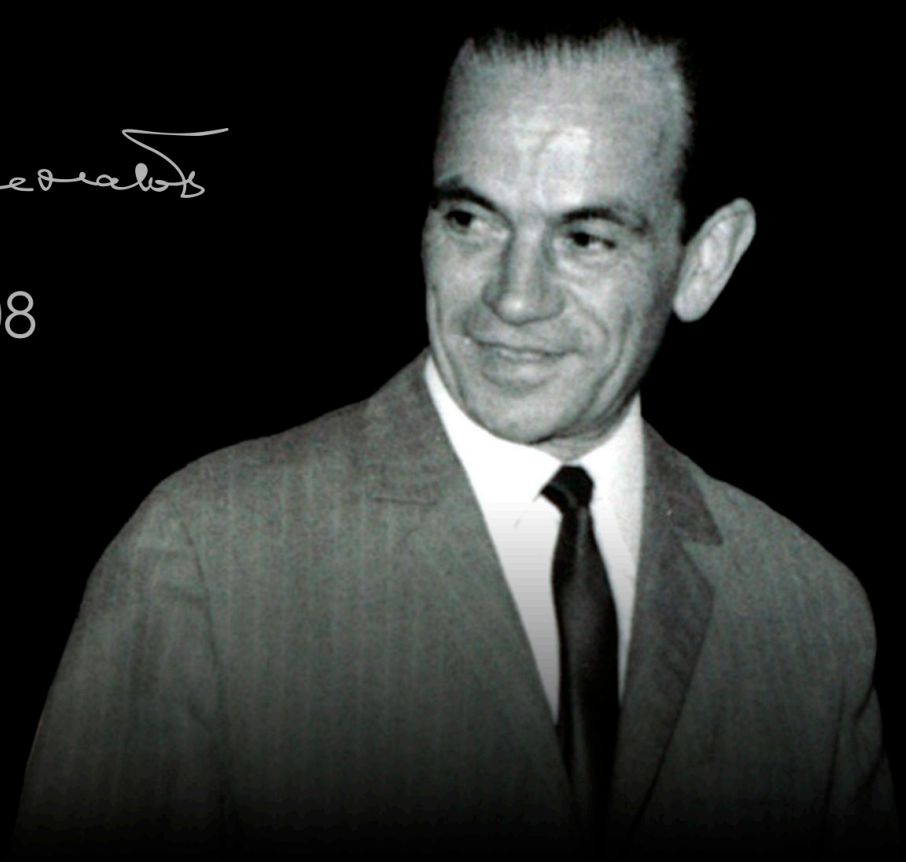
welding since 1946

info@electrexwelding.com

WELDING SINCE
1946

1917 - 2008



OVER 70 YEARS OF EXPERIENCE IN THE FIELD OF WELDING

A CUSTOMER-ORIENTED BRAND

Electrex places all its commitment and effort in satisfying the needs of its customers, offering solutions that are flexible and tailored to each one. Each order is executed with the utmost care and rigor to satisfy the needs of our customers.

HUMAN RESOURCES

The most valuable resource of a company is on the people who place their commitment into the organization every day. Electrex is aware of this value and therefore strives to meet the needs of its employees by providing them with the best possible working conditions in order to maintain a healthy and motivating work environment.

SUPPLIERS

Our suppliers are key components in the great gear that is Electrex and are carefully selected, from the moment of goods ordering to products arrival in the hands of our customers. They are the suppliers that help the organization to meet deadlines and objectives, so that the products are produced quickly and with quality, meeting the demand of our customers.

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INOVATION

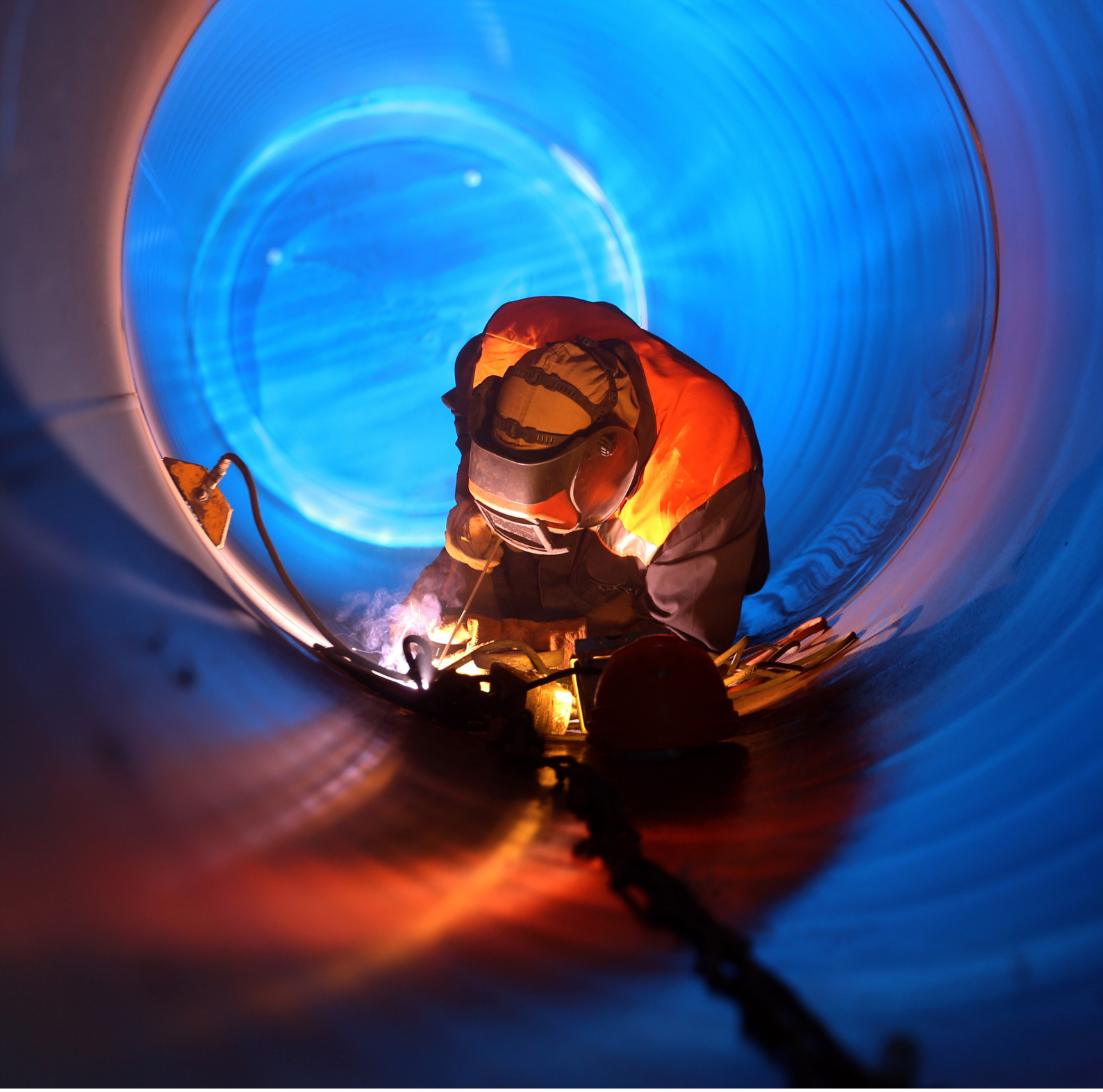
Electrex seeks to offer its customers more and better every day, and therefore it is requested the constant search for more innovative production processes in order to develop products of high demand and quality that satisfy the needs of our customers.

SUSTAINABILITY

Electrex is committed to keeping the planet free of pollution so that future generations can inhabit it in the same way. Electrex complies with all environmental and safety standards imposed by its competent authorities, both at European and global level.

FUTURE CHALLENGES

An investment in the production area and commitment to the latest production processes are some of the challenges that Electrex proposes, so that it can offer its customers the best welding equipment available in the market. Electrex takes its work as a welding equipment manufacturer very seriously and briefly intends to diversify its export markets and consolidate its presence in the existing ones.



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CE

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Management System
ISO 9001:2015
www.tuv.com
ID 9108645664

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INDEX

MIG/MAG

MIG/MAG D-PULSE / PULSE

D-PULSE MONOMIG 250 C	D-PULSE MIG 250 C	PULSE MIG 304 C/CW	PULSE MIG 304 M/MW	PULSE MIG 404 C/CW	PULSE MIG 404 M/MW
					
P. 10	P. 10	P. 10	P. 10	P. 10	Pág. 10
1x230V	3x400V	3x400V	3x400V	3x400V	3x400V
250A 40% 204A 60% 158A 100%	250A 40% 204A 60% 158A 100%	300A 50% 290A 60% 240A 100%	300A 50% 290A 60% 240A 100%	400A 35% 300A 60% 240A 100%	400A 35% 300A 60% 240A 100%

MIG/MAG SYN

MONOMIG 200 C	MIG 304 C/CW	MIG 304 M/MW	MIG 404 C/CW	MIG 404 M/MW
				
P. 12	P. 12	P. 12	P. 12	P. 12
1x230V	3x400V	3x400V	3x400V	3x400V
200A 40% 163A 60% 127A 100%	300A 50% 290A 60% 240A 100%	300A 50% 290A 60% 240A 100%	400A 35% 290A 60% 240A 100%	400A 35% 290A 60% 240A 100%

MIG/MAG BASIC

MIG 304 C/CW	MIG 304 M/MW	MIG 404 C/CW	MIG 404 M/MW	MIG 504 C/CW	MIG 504 M/MW	MIG 604 C/CW	MIG 604 M/MW
							
P. 14	P. 14	P. 14	P. 14	P. 14	P. 14	P. 14	P. 14
3x400V	3x400V	3x400V	3x400V	3x400V	3x400V	3x400V	3x400V
300A 50% 290A 60% 240A 100%	300A 50% 290A 60% 240A 100%	400A 35% 300A 60% 250A 100%	400A 35% 300A 60% 250A 100%	500A 40% 455A 60% 360A 100%	500A 40% 455A 60% 360A 100%	600A 40% 530A 60% 430A 100%	600A 40% 530A 60% 430A 100%

MIG INVERTER D-PULSE/PULSE

PULSE | PULSED MIG/MAG | LIFTIG | MMA

MULTI PROCESS

D-PULSE

PULSE COMPACT (W)

MULTI PULSE MODULAR (W)

APPLICATIONS

- Heavy and medium metal workshops
- Metallic structures
- Solar and wind industry
- Shipbuilding and offshore
- Automobile industry
- Aerospace, railway, mining and oil industry
- Pipelines
- Services, repair and maintenance

MIG INVERTER PULSE

- Single or three-phase MIG/MAG pulsed synergic and multi-process inverter for MIG/MAG, LIFTIG and MMA welding.
- Robust equipment for industrial use.
- Compact and modular equipment for easy displacement and cooling unit option.
- Models with synergic welding programs for mild steels, stainless steels and aluminum.
- Electronic inductance adjustment for filling or penetration welds.
- Excellent arc ignition for jobs with wire from 0.6 to 1.2 Ø mm (solid) and 0.9 to 1.6 (fluxed).

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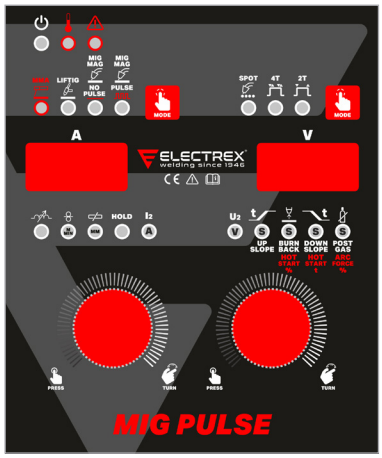
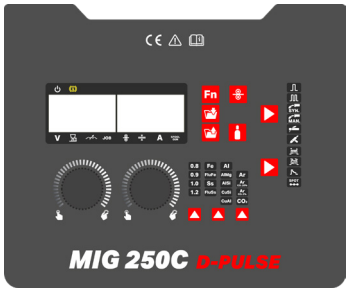
MIG PULSE / D-PULSE



MIG
- 2T/4T/Spot
- Up Slope
- Burn Back
- Post-Gas
- Electronic inductance adjustment
- HOLD function

LIFTIG
- 2T/4T
- Up Slope
- Down Slope
- Post-Gas

MMA
- Hot Start
- Arc Force



MIG
- Dual Pulse
- Down slope
- Pre/Post gas
- Burn Back
- 2T / 4T / 4T especial / Spot
- Electronic inductance adjustment

LIFTIG
- 2T/4T
- Down Slope

MMA
- Hot Start
- Arc Force

Muti-Process machines, MIG/MAG, TIG and MMA welding, all on the same equipment.

Due to its different transfer methods, Short Circuit, Globular 100% CO2, Spray Arc and Pulsed, this equipment allows superior welding results.

Electronic inductance adjustment for filling or penetration welds.

TECHNICAL DATA

		MONOMIG 250 C	MIG 250 C	MIG 304 C/M	MIG 404 C/M
Input voltage		1x230V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)
Frequency		50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current (MIG/MMA/TIG)		51,6A/56,6A/38,4A	17A/19A/13,5A	25,4A/25,6A/19,2A	34,8A/36,6A/28,1A
Maximum power (MIG/MMA/TIG)		13,1/14.4/ 9.7 kVA	7.6/8.1/6kVA	16,7/17,8/13,4kVA	24,0/25,5/19,5kVA
No-load voltage		88V	80V	90,3V	92,5V
Current regulation (MMA/TIG | MIG)		10-250A | 25-250	10-250A | 25-250	40-300A | 40-300	40-400A | 40-400A
Duty Cycle (t=40ºC 10 min)	-	(40%) 250A	(40%) 250A	(50%) 300A	(35%) 400A
	80%	204A	204A	290A	290A
	100%	158A	158A	240A	240A
Wire diameter (Solid/fluxed)*		Ø 0,6-1,2mm	Ø 0,6-1,2mm	Ø 0,6-1,2/0,9-1,6mm	Ø 0,6-1,2/0,9-1,6mm
No. Feed Rolls - Motor Power		2R - 70W	2R - 70W	4R - 75W	4R - 75W
Wire speed		1.5m/min - 24.0m/min	1.5m/min - 24.0m/min	1.4m/min - 18.1m/min	1.4m/min - 18.1m/min
Post-gas time		0-10 Seg.	0-10 Seg.	0-10 Seg.	0-10 Seg.
Protection		IP 21S	IP 21S	IP 23S	IP 23S
Insulation class		H	H	H	H
Weight without cooler	Compact	30kg	29,5kg	62,4kg	62,4kg
	Modular	-	-	79,1kg	79,1kg
Weight with cooler	Compact	-	-	89,4kg	89,4kg
	Modular			95,9kg	95,9kg
Dimensions without cooler (HxWxL)	Compact	625x300x680	625x300x680	899x470x1030	899x470x1030
	Modular	-	-	1140 x 470 x 1030	1140 x 470 x 1030
Dimensions with cooler (HxWxL)	Compact	-	-	1184x470x1055	1184x470x1055
	Modular	-	-	1140 x 470 x 1030	1140 x 470 x 1030

- MONOMIG/MIG 250 C - Include 2 rolls de 0,8 - 1,0mm V + 2 flat rolls
- MIG 300A - Include 4 rolls de 0.8 - 1,0mm VT
- MIG 400A - Include 4 rolls de 1.0 - 1,2mm VT

MIG INVERTER SYN

MIG/MAG LIFTIG MMA

MULTI PROCESS

MONOMIG 200 C SYN

SYN
COMPACT (W)

SYN
MODULAR (W)

APPLICATIONS

- Heavy and medium metal workshops
- Metallic structures
- Solar and wind industry
- Shipbuilding and offshore
- Automobile industry
- Aerospace, railway, mining and oil industry
- Pipelines
- Services, repair and maintenance

MIG INVERTER SYN

- Single-phase or three-phase inverter for standard or synergic MIG/MAG welding with separated or integrated wire feeder, coated electrode MMA and LIFTIG welding in direct current.
- Manual or synergic adjustment for mild steel (SG2/3), stainless steel and aluminum and fluxed wires of different diameters (0.8mm, 1.0mm, 1.2mm and 1.6mm)..
- Compact or modular equipment for easy displacement and cooling unit option.
- Excellent arc ignition and electronic inductance adjustment for filling or penetration welds.

MIG/MAG SYNERGIC — Adjustment of welding parameters depending on the type of material, wire diameter and gas chosen by the welder.

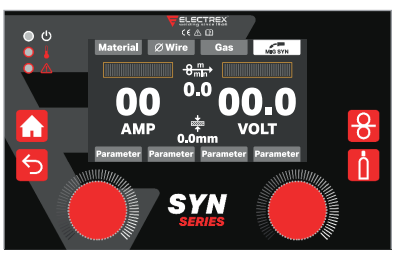
PULSED LIFTIG — Pulsed LIFTIG welding for less distortion of the material to be welded

PULSED MMA — Pulsed MMA welding for less distortion of the material to be welded

LCD — Equipment with LCD screen with larger viewing area, easy to understand and adjust welding parameters

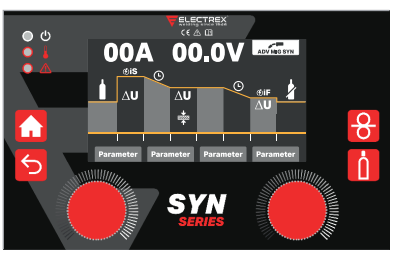
SUPRA SHORT CIRCUIT — The welding current alternate between each other during the welding seam to reduce distortion of the material to be welded

SYNERGIC MODE



The machine changes the synergy depending on the type of material, wire diameter and gas chosen by the welder.

SYNERGIC ADVANCED MODE



The welder configures 3 synergies: the starting current, the bead and the treatment of the crater.

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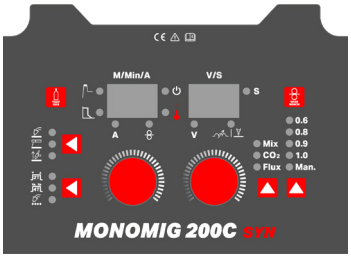
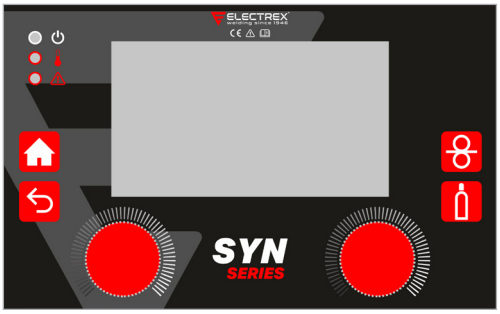
MIG INVERTER SYN





MIG
- 2T / 4T / Special 4T / SPOT
- Inductance adjustment
- Burn back
- Spot Time (Spot mode)

LIFTIG
- LIFTIG welding

MMA
- Hot Start
- Arc Force

MIG
- Pre-Gas / Post-Gas
- Start/end current
- Up Slope / Down Slope
- Double short circuit
- HOLD function

LIFTIG
- Pre-Gas / Post-Gas
- Start/end current
- Up Slope / Down Slope
- Pulsed
- HOLD function

MMA
- Hot Start
- Pulsed
- Arc Force
- HOLD function

Multi-Process machines, MIG/MAG, TIG and MMA welding, all on the same equipment.

Electronic inductance adjustment for filling or penetration welds.

TECHNICAL DATA

		MONOMIG 200 C	MIG 304 C/M	MIG 404 C/M
Input voltage		1x230V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)
Frequency		50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current (MIG/MMA/TIG)		40A/38,6A/28A	25,4/25,6/19,2A	34,8/36,6/28,1A
Maximum power (MIG/MMA/TIG)		8kVA/8,3kVA/6,4kVA	16,7/17,8/13,4kVA	24,0/25,5/19,5kVA
No-load voltage		69V	90,3V	92,5V
Current regulation (MMA/TIG)		25-200A	40-300A	40-400A
Duty Cycle (t=40ºC 10 min)	-	(40%) 200A	(50%) 300A	(35%) 400A
	60%	163A	290A	290A
	100%	127A	240A	240A
Wire diameter (Solid/fluxed)mm *		Ø 0,6-1,0	Ø 0,6-1,2/0,9-1,6	Ø 0,8-1.6/0.9-1.6mm
No. Feed Rolls - Motor Power		2R - 40W	4R - 75W	4R - 75W
Wire speed		1,5-15,0m/min	0,5 - 30 m/min	0,5 - 30 m/min
Spot welding time		-	0-10 Seg.	0-10 Seg.
Post-gas time		Sim	0-10 Seg.	0-10 Seg.
Protection		IP 21S	IP 23S	IP 23S
Insulation class		H	H	H
Weight without cooler	Compact	12,5kg	62,4kg	62,4kg
	Modular	-	79,1kg	79,1kg
Weight with cooler	Compact	-	89,4kg	89,4kg
	Modular		95,9kg	95,9kg
Dimensions without cooler (HxWxL)	Compact	410x210x470	899x470x1030	899x470x1030
	Modular	-	1140x470x1030	1140x470x1030
Dimensions with cooler (HxWxL)	Compact	-	1184x470x1055	1184x470x1055
	Modular	-	1140x470x1030	1140x470x1030

- MONOMIG 200 C Multi Syn - Include 2 rolls de 0,8 - 1,0mm V + 2 flat rolls
- MIG 300A - Include 4 rolls de 0,8 - 1,0mm VT
- MIG 400A - Include 4 rolls de 1,0 - 1,2mm VT

MIG INVERTER BASIC

MIG/MAG LIFTIG MMA

MULTI PROCESS

BASIC
COMPACT (W)

BASIC
MODULAR (W)

APPLICATIONS

- Heavy and medium metal workshops
- Metallic structures
- Solar and wind industry
- Shipbuilding and offshore
- Automobile industry
- Aerospace, railway, mining and oil industry
- Pipelines
- Services, repair and maintenance

MIG INVERTER BASIC

- Three-phase inverter for MIG/MAG welding with separated or integrated wire feeder, coated electrode MMA and LIFTIG welding in direct current.
- Compact and modular equipment for easy displacement and cooling unit option.
- Two displays for simultaneous reading of welding current and voltage and HOLD function.
- Electronic inductance adjustment for filling or penetration welds.
- Excellent arc ignition for jobs with wire from Ø 0,6 a 1,6mm (solid) and Ø 0,9 a 1,6 (fluxed).

MECAPULSE

Low heat continuous welding with less workpiece distortion and excellent gap bridging of thin plates. Great reduce of wire and energy consumption.

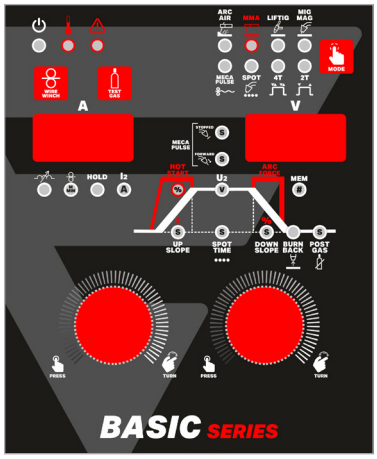
ARC AIR

ARC-AIR function for cutting and chamfering (available from 500A until 600A).

DIGIMIG

Adjustment of wire speed, voltage and work memory selection directly on the torch, without the need for the operator to move to the welding equipment.

MIG INVERTER BASIC



BASIC

- 2T / 4T / Spot / MecaPulse
- Inductance adjustment
- Spot Time (Spot mode)
- Post-Gas
- Burn back
- Up Slope
- 30 welding memories
- HOLD function

LIFTIG

- 2T/4T/Spot
- Up Slope
- Down Slope
- Post-Gas
- Spot Time (Spot mode)

MMA

- Hot Start
- Arc Force

Multi-Process machines, MIG/MAG, TIG and MMA welding, all on the same equipment.

Electronic inductance adjustment for filling or penetration welds.

TECHNICAL DATA

		MIG 304 C/M	MIG 404 C/M	MIG 504 C/M	MIG 604 C/M
Input voltage		3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)
Frequency		50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current (MIG/MMA/TIG)		25,4/25,6/19,2A	34,8/36,6/28,1A	46,4/47,8/37,2A	60,2/60,2/48,9A
Maximum power (MIG/MMA/TIG)		16,7/17,8/13,4kVA	24,0/25,5/19,5kVA	31,9/32,2/25,7KVA	41,3/41,3/33,4KVA
No-load voltage		90,3V	92,5V	92V	93V
Current regulation (MMA/TIG)		40-300A	40-400A	40-500A	40-600A
Duty Cycle (MMA / MIG/MAG | TIG) (t=40ºC 10 min)		(50%) 300A 290A 240A	(35%) 400A 300A 250A	(40%) 500A 455A 360A	(40%) 600A 530A 430A
Wire diameter (Solid/fluxed)mm *		Ø 0,6-1,2/0,9-1,6	Ø 0,6-1,2/0,9-1,6mm	Ø 0,8-1,6/0,9-2,4	Ø 0,8-1,6/0,9-2,4
No. Feed Rolls - Motor Power		4R - 50W	4R - 50W	4R - 75W	4R - 75W
Wire speed		0,5 - 30 m/min	0,5 - 30 m/min	0,5 - 30 m/min	0,5 - 30 m/min
Spot welding time		0-10 Seg.	0-10 Seg.	0-10 Seg.	0-10 Seg.
Post-gas time		0-10 Seg.	0-10 Seg.	0-10 Seg.	0-10 Seg.
Protection		IP 23S	IP 23S	IP 23S	IP 23S
Insulation class		H	H	H	H
Weight without cooler	Compact Modular	60,4kg 67,9kg	60,4kg 67,9kg	70,9kg 78,6kg	72,4kg 80,1kg
Weight with cooler	Compact Modular	87,4kg 95,3kg	87,4kg 95,3kg	97,9kg 106kg	99,4kg 107,5kg
Dimensions without cooler (HxWxL)	Compact Modular	899x470x1030 1140x470x1030	899x470x1030 1140x470x1030	899x470x1030 1140x470x1030	899x470x1030 1140x470x1030
Dimensions with cooler (HxWxL)	Compact Modular	1184x470x1030 1140x470x1030	1184x470x1030 1140x470x1030	1184x470x1030 1140x470x1030	1184x470x1030 1140x470x1030

• MIG 300-400A - Include 2 rolls 0,8 - 1,0mm V + 2 flat rolls
• MIG 500-600A - Include 2 rolls 1,0 - 1,2mm V + 2 flat rolls


TIG

Inverter TIG AC/DC

TP 200 AC/DC	TP 204 AC/DC	TP 324 AC/DC	TP 404 AC/DC	TP 504 AC/DC
				
P. 18	P. 18	P. 18	P. 18	P. 18
1x230V	1x230V	3x400V	3x400V	3x400V
200A 35% 155A 60% 120A 100%	200A 45% 160A 60% 140A 100%	320A 60% 250A 100%	400A 60% 310A 100%	500A 60% 390A 100%

Inverter TIG DC

TIG HF 160	TIG HF 200	TP 164	TP 164S	TP 204	TP 204 S	TP 224	TP 254	TP 324	TP 404	TP 504
										
P. 20	P. 20	P. 20	P. 20	P. 20	P. 20	P. 20	P. 22	P. 22	P. 22	P. 22
1x230V	1x230V	1x230V	1x230V	1x230V	1x230V	1x230V	3x400V	3x400V	3x400V	3x400V
- 160A 60% 120A 100%	200A 35% 160A 60% 120A 100%	- 160A 60% 125A 100%	- 160A 60% 125A 100%	200A 35% 160A 60% 125A 100%	200A 35% 160A 60% 125A 100%	220A 40% 195A 60% 180A 100%	250A 30% 200A 60% 170A 100%	320A 45% 280A 60% 230A 100%	400A 35% 310A 60% 260A 100%	500A 45% 450A 60% 350A 100%

Coldwire feeders TIG

AF TIG COLDWIRE

P. 24
1x230V
-

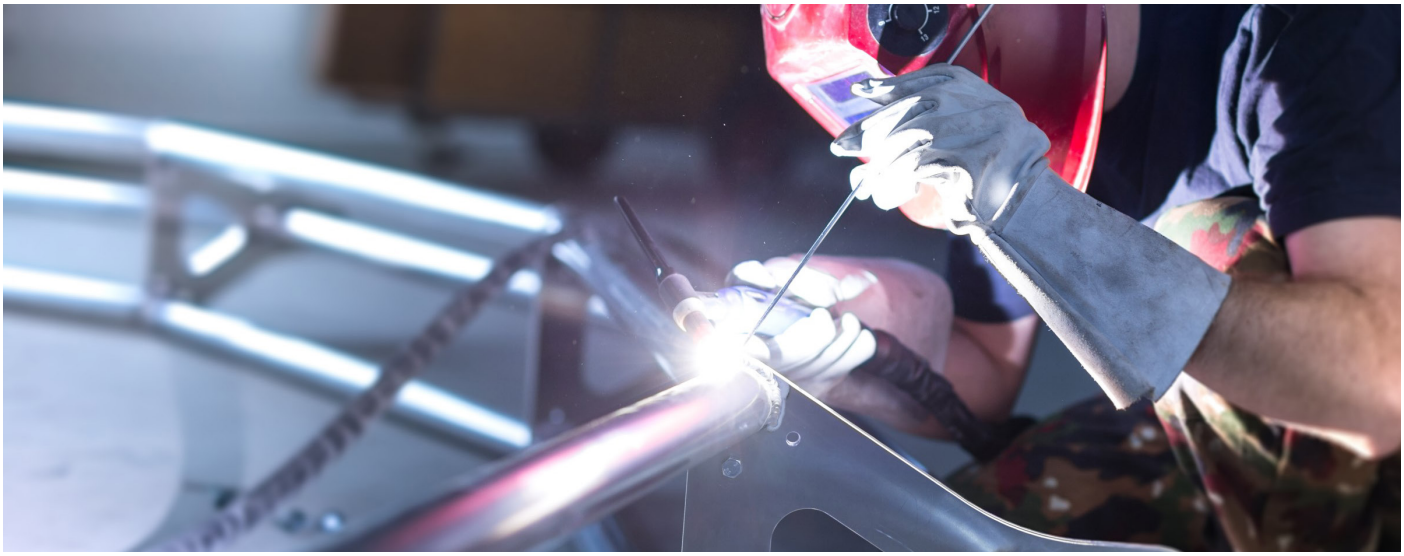
TIG INVERTER TIG HF AC/DC PULSE

APPLICATIONS

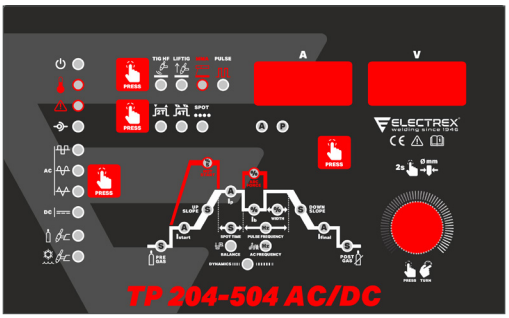
- Aluminium workshops
- Chemical and paper industry
- Tanks construction
- Tubes and plumbing
- Urban furniture
- Solar and wind industry
- Food industry

INVERTER TIG HF AC/DC PULSE

- Inverters with single or three-phase power input for TIG and MMA welding in direct current (DC) or AC current (AC).
- The complete machine for all materials, allowing excellent properties and welding results in AC mode - for welding aluminum and light alloys, or DC - for welding carbon steels, stainless steels and other ferrous metals.
- Models with 20 memories to memorize welding programs.
- Maximum mobility assured by carrying handle or integration into a trolley with cooling module or drawer.
- Suitable for all demanding TIG welders, professionals or beginners who also needs to weld aluminum and light alloys



TP 204 - 504 AC/DC



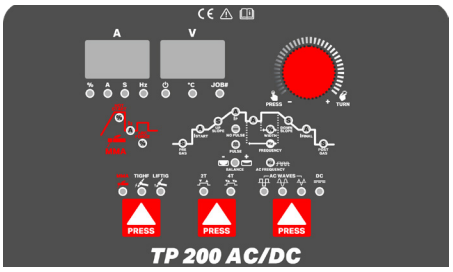
TIG

- 2T/4T/Spot
- TIG HF AC/DC welding
- TIG pulse welding
- Balance adjustment for penetration or cleaning effect
- AC Frequency Adjustment
- TIG Dynamics
- Three AC waveforms available
- 20 programable work memories
- Automatic cooler detection

MMA

- Pulsed MMA
- Adjustable Hot Start
- Adjustable Arc Force

TP 200 AC/DC



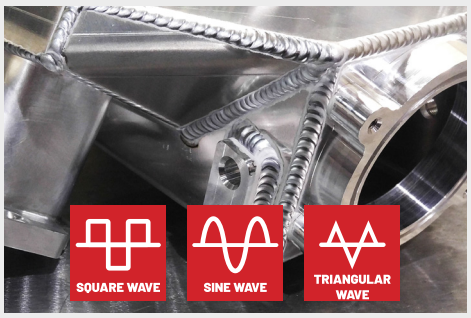
TIG

- 2T/4T
- Three AC waveforms available
- Up Slope and Down Slope
- Programable work memories
- Pre-Gas and Post-Gas
- Balance adjustment

MMA

- Adjustable Hot Start
- Adjustable Arc Force

Equipment with 20 programmable working memories to memorize welding jobs.



Equipment with selection of square wave, sine wave and triangular wave.

Remote control

TECHNICAL DATA

TECHNICAL DATA	TP 200 AC/DC	TP 204 AC/DC	TP 324 AC/DC	TP 404 AC/DC	TP 504 AC/DC
Input voltage	1x230V (+/- 10%)	1x230V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current (MMA/TIG)	AC 30/42A DC 28/38A	45,32/31,07A	AC 20/19A DC 27/19A	AC 34/27A DC 33/24,5A	AC 44/37A DC 46/41A
Maximum power (MMA/TIG)	AC 4,3/6,2kVA DC 3,7/5,7kVA	10,38/7,16kVA	AC 17,3/13,2kVA DC 18,7/13,2kVA	AC 23,6/18,7kVA DC 22,9/17kVA	AC 30,5/25,6kVA DC 31,9/28,4kVA
Fuse	30A	32A	25A	32A	40A
No-load voltage	66V	67,70V	72V	72V	80V
Welding current (AC/DC)	5-200A/ 5-170A	10-200A	10-320A	10-400A	10-500A
Duty Cycle (t=40ºC 10 min) - 60% 100%	(35%) 200A 155A 120A	(45%) 200A 160A 140A	- 320A 250A	- 400A 310A	- 500A 390A
Electrodes	Ø 4.0 mm	Ø 4.0 mm	Ø 8.0 mm	Ø 8.0 mm	Ø 10.0 mm
Protection	IP 21S	IP 23S	IP 23S	IP 23S	IP 23S
Insulation class	H	H	H	H	H
Weight	12kg	14,9kg	39,8kg	40,3kg	44,8kg
Weight w/ trolley	-	39,4kg	62kg	62,5kg	67kg
Weight with trolley + cooler	-	55,7kg	78,4kg	78,9kg	83,4kg
Dimensions without trolley (HxWxL) Dimensions with trolley (HxWxL)	340x200x500 -	356x230x480 740x470x1030	540x263x700 885x470x1030	540x263x700 885x470x1030	540x263x700 885x470x1030

TIG INVERTER TIG HF DC PULSE

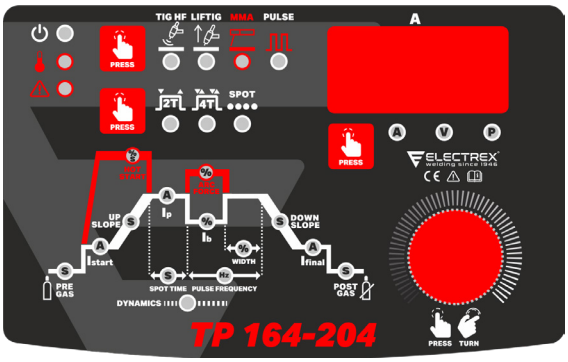
APPLICATIONS

- Chemical and paper industry
- Tanks construction
- Tubes and plumbing
- Urban furniture
- Solar and wind industry
- Food industry

INVERTER TIG HF DC PULSE

- Inverters with single-phase power input for TIG and MMA welding in direct current (DC).
- Dynamics function for constant thermal delivery and SPOT for timed welding.
- A professional TIG machine with all welding parameters adjustable. Pre-gas, post-gas, initial and final current, up and down ramps, pulsed adjustment (width and frequency).
- Models with 20 memories to memorize welding programs.
- TIG with contact ignition or high frequency and pulsed TIG function.
- Suitable for all demanding TIG welders, professionals or beginners
- Excellent welding properties in basic and rutile electrodes with adjustable Hot Start and Arc Force function and pulsed MMA function.

TP 164 / 204

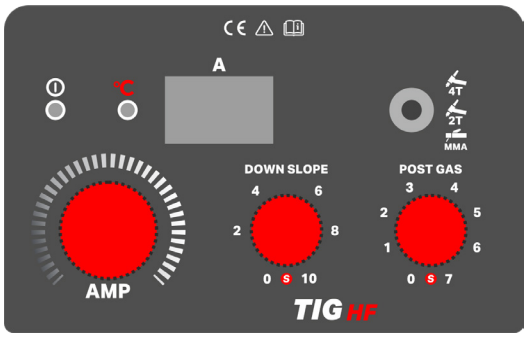


TIG
- 2T/4T/Spot
- TIG HF welding
- TIG pulsed welding
- TIG Dynamics
- 20 programable work memories
- Automatic cooler detection

MMA
- MMA Pulsed
- Adjustable Hot Start
- Adjustable Arc Force

Trolley for models TP 164 and TP 204, to easy movement, with or without cooler and gas bottle.

TIG HF 160 / 200



TIG
- TIG HF welding
- 2T/4T
- Down Slope
- Post-Gas

MMA
- MMA welding

Robust carrying suitcase to carry your equipment to your workplace in the best possible conditions.

TECHNICAL DATA

	TIG HF 160	TIG HF 200	TP 164	TP 164 S	TP 204	TP 204 S	TP 224
Input voltage	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current (MMA/TIG)	31/14A	46/33A	33,3/22,3A	33,3/22,3A	41,6/27,9A	41,6/27,9A	47,39/32,24A
Maximum power (MMA/TIG)	7,1/3,2 kVA	10,6/7,6 kVA	7,6/5,1 kVA	7,6/5,1 kVA	9,5/6,4 kVA	9,5/6,4 kVA	10,83/7,46 kVA
Fuse	-	-	25A	25A	32A	32A	35A
No-load voltage (MMA/TIG)	63V	63V	83,5V	83,5V	83,5V	83,5V	66/15,1V
Welding current	10-160A	10-200A	10-160A	10-160A	10-200A	10-200A	10-220A
Duty Cycle (t=40°C 10 min) 40%	-	(35%) 200	-	-	(35%) 200A	(35%) 200A	(40%) 220A
60%	160A	160A	160A	160A	160A	160A	195A
100%	120A	120A	125A	125A	125A	125A	180A
Electrodes	Ø 4.0 mm	Ø 4.0 mm	Ø 4.0 mm	Ø 4.0 mm	Ø 5.0 mm	Ø 5.0 mm	Ø 5.0 mm
Protection	IP 21S	IP 21S	IP 21S	IP 23	IP 21S	IP 23	IP 23S
Insulation class	H	H	H	H	H	H	H
Weight	6,3kg	6,3kg	7,2kg	7,5kg	7,2kg	7,5kg	14,6kg
Dimensions w/o trolley (HxWxL)	240x135x365	240x135x365	243x152x370	245x160x380	243x152x370	245x160x380	356x230x480
Dimensions w/ trolley (HxWxL)	-	-	-	-	-	-	740x470x1030

TIG INVERTER TIG HF DC PULSE

THREE-PHASE | TIG | PULSE

APPLICATIONS

- Chemical and paper industry
- Tanks construction
- Tubes and plumbing
- Urban furniture
- Solar and wind industry
- Food industry

INVERTER TIG HF DC PULSE

- Inverters with three-phase power input for TIG and MMA welding in direct current (DC).
- Dynamics function for constant thermal delivery and SPOT for timed welding.
- A professional TIG machine with all welding parameters adjustable. Pre-gas, post-gas, initial and final current, up and down ramps, pulsed adjustment (balance and frequency).
- Possibility of integration in trolley with or without cooling module.
- Models with 20 memories to memorize welding programs.
- TIG with contact ignition or high frequency and pulsed TIG function.
- Suitable for all demanding TIG welders, professionals or beginners
- Excellent welding properties in basic and rutile electrodes with adjustable Hot Start and Arc Force function and pulsed MMA function.

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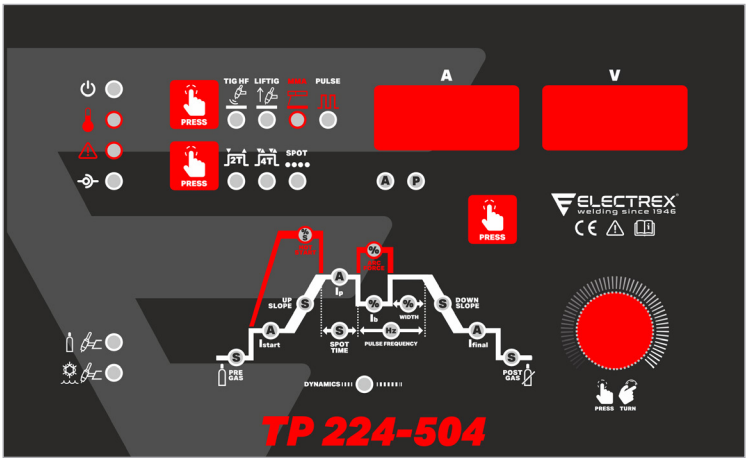
TP 224 - 504



TIG

- 2T/4T/Spot
- TIG HF welding
- TIG pulsed welding
- TIG Dynamics
- 20 programable work memories
- Automatic cooler detection

MMA

- MMA Pulsed
- Adjustable Hot Start
- Adjustable Arc Force

Maximum mobility assured by carrying handle or integration into a trolley with cooling module or drawer.

Equipment with 20 programmable working memories to memorize welding jobs.

TECHNICAL DATA

	TP 254	TP 324	TP 404	TP 504
Input voltage	3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current (MMA/TIG)	20,7/15,1A	27,5/20,8A	37,4/29,2A	47,1/37,5A
Maximum power (MMA/TIG)	14,38/10,45 kVA	18,98/14,34 kVA	25,98/20,33 kVA	32,6/26,09 kVA
Fuse	16A	20A	32A	32A
No-load voltage (MMA/TIG)	73 / 16,36A	75,80 / 14,98A	92,5/14,72V	91,29/15,06V
Welding current	10-250A	10-320A	10-400A	10-500A
Duty Cycle (t=40ºC 10 min) -	(30%) 250A	(45%) 320A	(35%) 400A	(45%) 500A
60%	200A	280A	310A	450A
100%	170A	230A	260A	350A
Electrodes	Ø 5.0 mm	Ø 6.0 mm	Ø 8.0 mm	Ø 10.0 mm
Protection	IP 23S	IP 23S	IP 23S	IP 23S
Insulation class	H	H	H	H
Weight	16kg	29,6kg	30,6kg	45,6kg
Weight w/ trolley	40,5kg	54,8kg	55,6kg	67,8kg
Weight with trolley + cooler	56,8kg	71,2kg	74kg	84,2kg
Dimensions without trolley (HxWxL)	356x230x480	470x263x530	470x263x530	540x263x700
Dimensions with trolley (HxWxL)	740x470x1030	820x470x1030	820x470x1030	885x470x1030

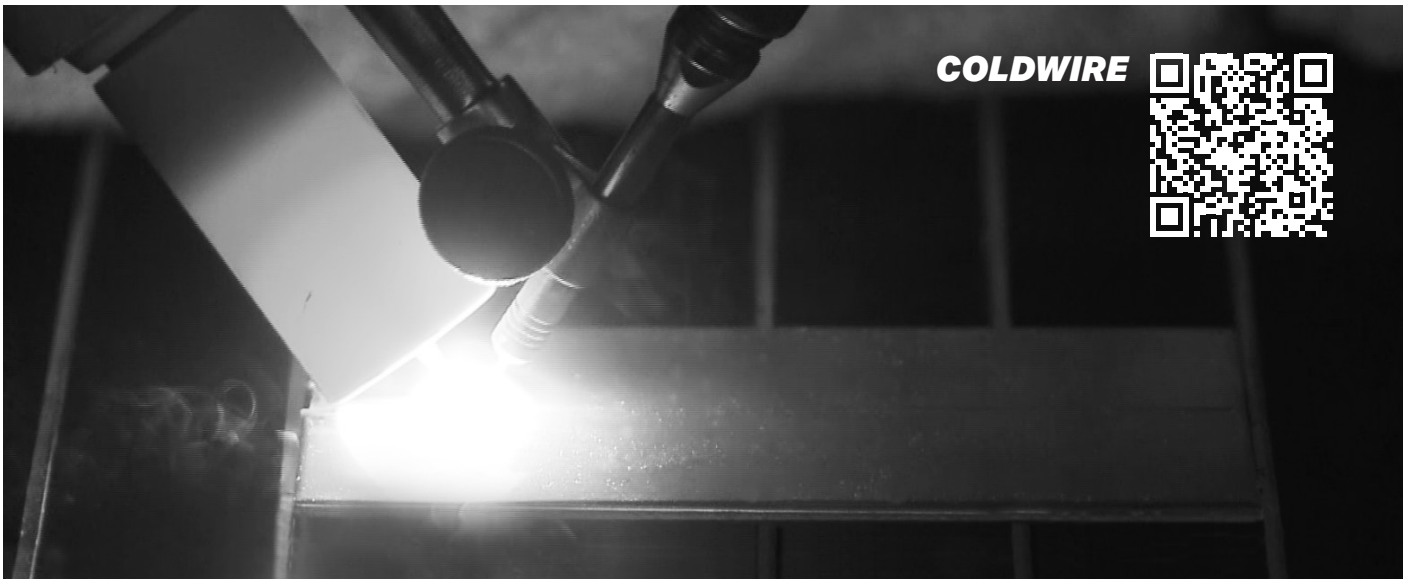
TIG COLDWIRE

APPLICATIONS

- Mild steels, stainless steels, aluminum, titanium wire from 0.8 to 1.2mm in 5kg, 15kg or large packages
- Use of wire coils for material addiction instead of addiction rods.

AF TIG COLDWIRE

- TIG welding feeder that allows the addition of wire in the TIG welding bead intermittently or continuously.
- Increased productivity and weld quality due to constant wire addition.
- Reduction of costs without waste of addition material.
- Usable in all welding applications TIG manual, automatic and orbital thin or thick plate, piping, recharge.



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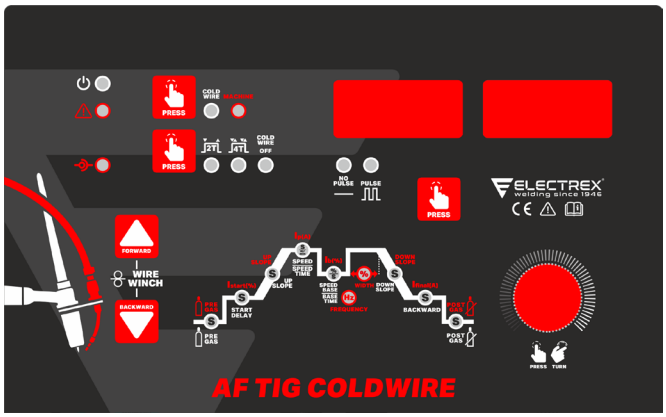
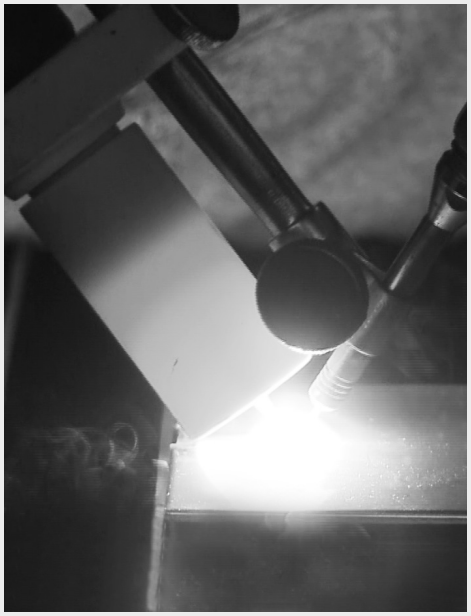
CONTROLADOR AF TIG COLDWIRE



TIG

- Adaptable to all TIG machines
- 2T/4T Function
- Pulsed TIG welding
- Wireless connection to Electrex TIG equipments
- Constant or intermittent wire addition



Significant material waste reduction and higher quality and productivity due to fast and consistent addition.

TECHNICAL DATA

		TIG COLDWIRE
Input voltage (min-max of the power source)		1x230V (+/-10%)
Frequency		50/60Hz
Maximum primary current		1A
Motor power		50W
Duty Cycle (t=40ºC 10 min)	60% 100%	250A 200A
Feed rolls		2 feed rolls + 2 flat rolls
Wire coil		5/15/150kg
Wire speed		0,5-10m/min
Wire diameter	Steel/Stainless steel Light alloys Fluxed wire	Ø 0,8-1,2mm Ø 0,8-1,2mm Ø 0,9-1,2mm
Weight		21,1kg
Dimensions (HxWxL)		510x340x675

Include feed rolls 1,0-1,2mm V.

MMA

Inverter MMA/LIFTIG

DC 160	DC 200	DC 200 DV	DC 164/ DC 164 VRD	DC 164S	DC 204/ DC 204 VRD	DC 204S	DC 224
							
P. 28	P. 28	P. 28	P. 28	P. 28	P. 28	P. 28	P. 28
1x230V	1x230V	1x110V/1x230V	1x230V	1x230V	1x230V	1x230V	1x230V
160A 25% 105A 60% 80A 100%	200A 25% 130A 60% 100A 100%	- 100/200A 60% 80/155A 100%	- 160A 60% 125A 100%	- 160A 60% 125A 100%	200A 35% 160A 60% 125A 100%	200A 35% 160A 60% 125A 100%	220A 30% 190A 60% 170A 100%

DC 254	DC 324	DC 404	DC 504	DC 604
				
P. 30	P. 30	P. 30	P. 30	P. 30
3x400V	3x400V	3x400V	3x400V	3x400V
250A 40% 210A 60% 180A 100%	320A 40% 290A 60% 240A 100%	400A 30% 300A 60% 250A 100%	500A 50% 455A 60% 360A 100%	600A 35% 500A 60% 430A 100%

Other equipments

UNIVERSAL WIRE FEEDER	AFFLUX 500	AFC 300	ECONOTIG	INVERPROTEK
				
P. 32	P. 34	P. 36	P. 37	P. 37
1x230V	1x230V	1x230V	1x230V	1x230V
500A 60% 350A 100%	400A 100%	300A 100%	-	-

MMA INVERTER MMA/LIFTIG

APPLICATIONS

- Metal workshops
- Metallic structures
- Solar and wind industry
- Shipbuilding
- Railway, Mining and Oil Industry
- Pipelines
- Services, repair and maintenance

INVERTER MMA/LIFTIG

- Inverters with single phase power supply for MMA and LIFTIG DC welding.
- Excellent welding properties in rutile and basic electrodes with adjustable Hot Start and Arc Force function and pulsed MMA function for overhead welding, parts with gap, or different material thicknesses improving the end of the bead.
- Arc Off function that allows you to extinguish the arc at an adjustable distance
- Contact TIG welding with pulsed option
- Compact, light and portable with handle and adjustable shoulder strap
- Low power consumption and overvoltage protection system, allowing connection to generators
- VRD option with Voltage Reduction Device - to reduce the no load voltage at machine terminals

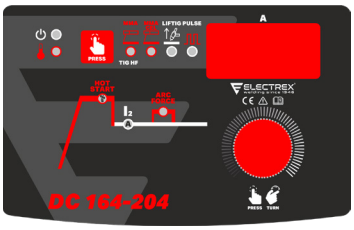
PULSED MMA — Pulsed MMA welding for less distortion of the material to be welded

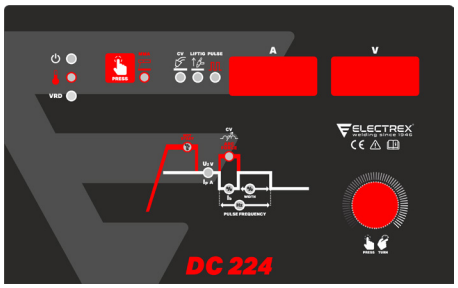
PULSED LIFTIG — Pulsed LIFTIG welding for less distortion of the material to be welded

CC/CV — Control Voltage - MIG welding with Universal wire feeder using DC Electrex equipment as a power source (available in models 220A - 600A)

MMA CEL — MMA CEL function for welding cellulosic electrodes (available on all equipment, except DC 224)

DC 164 / 204





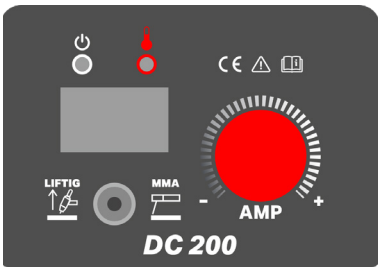
MMA
- MMA and MMA pulsed
- Adjustable Hot Start and Arc Force
- MMA CEL

LIFTIG
- LIFTIG pulsed
- Arc OFF - Automatic arc welding extinction

Inverter DC with Hot Start, Arc Force and pulsed MMA function for better welding results.

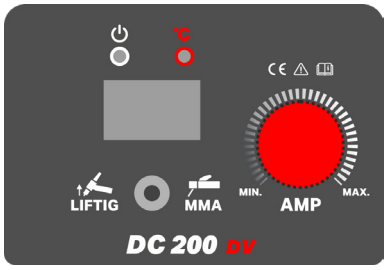
Robust carrying suitcase to carry your equipment to your workplace in the best possible conditions.

DC 160/200



- Digital display
- Overvoltage and overload protections
- LIFTIG welding (200A model)

DC 200 DV



- LIFTIG welding
- Dual Voltage (110/220V)

TECHNICAL DATA

	DC 160	DC 200	DC 200 DV (110V)	DC 200 DV (230V)	DC 164	DC 164S	DC 204	DC 204S	DC 224
Input voltage	1x230V (+/- 10%)	1x230V (+/- 10%)	1x110V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)	1x230V (+/- 10%)
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current (MMA/TIG/CV)	36/ - / - A	46/ - / - A	44,7/26,5/ - A	45,9/31,6/ - A	33,3/22,3/ - A	33,3/22,3/ - A	41,6/27,9/ - A	41,6/27,9/ - A	49/32,8/42,7A
Maximum power (MMA/TIG/CV)	8,2/ - kVA	10,5/ - kVA	4,9/2,9 kVA	10,5/7,3 kVA	7,6/5,1/ - kVA	7,6/5,1/ - kVA	9,5/6,4/ - kVA	9,5/6,4/ - kVA	11,1/7,5/9,7 kVA
Fuse	-	-	-	-	25A	25A	32A	32A	32A
No-load voltage	70V	70V	70,2	78,1V	83,5V	83,5V	83,6V	83,6V	68V
Welding current	10-160A	10-200A	10-100A	10-200A	10-160A	10-160A	10-200A	10-200A	10-220A
Duty Cycle (t=40ºC 10 min) -	(25%) 160A	(25%) 200A	-	-	-	-	(35%) 200A	(35%) 200A	(30%)220A
60%	105A	130A	100A	200A	160A	160A	160A	160A	190A
100%	80A	100A	80A	155A	125A	125A	125A	125A	170A
Electrodes	Ø 4.0 mm	Ø 4.0 mm	Ø 4.0 mm	Ø 4.0 mm	Ø 4.0 mm	Ø 4.0 mm	Ø 5.0 mm	Ø 5.0 mm	Ø 5.0 mm
Protection	IP 21S	IP 21S	IP 21S	IP 21S	IP 21S	IP 23S	IP 21S	IP 23S	IP 23S
Insulation class	H	H	H	H	H	H	H	H	H
Weight	3,5kg	3,8kg	4,3kg	4,3kg	5kg	5,8kg	5kg	5,8kg	13,8kg
Dimensions (HxWxL)	210x115x290	210x115x290	210x120x350	210x120x350	243x152x290	245x160x315	243x152x290	245x160x315	356x230x480

MMA INVERTER MMA/LIFTIG

APPLICATIONS

- Heavy and medium metal workshops
- Metallic structures
- Solar and wind industry
- Shipbuilding
- Railway, Mining and Oil Industry
- Pipelines
- Services, repair and maintenance

INVERTER MMA/LIFTIG

- Inverters with three-phase power supply for MMA and LIFTIG welding in direct current (DC).
- Excellent welding properties in rutile, basic and cellulosic electrodes with adjustable Hot Start and Arc Force function and pulsed MMA function for overhead welding, parts with gap, or different material thicknesses improving the end of the bead.
- Arc Off function that allows you to extinguish the arc at an adjustable distance
- Contact TIG welding with pulsed option
- Maximum mobility with carrying handles or integration into a trolley.
- VRD option with Voltage Reduction Device - to reduce the no load voltage at machine terminals
- Arc-Air cutting and gouging with electrodes up to 8 Ø mm (DC 504 and DC 604)

PULSED MMA — Pulsed MMA welding for less distortion of the material to be welded

PULSED LIFTIG — Pulsed LIFTIG welding for less distortion of the material to be welded

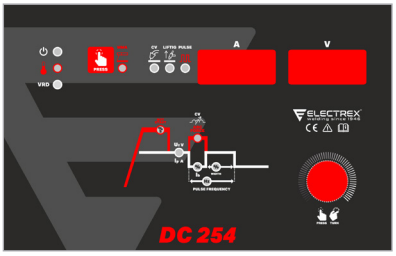
CC/CV — Control Voltage - MIG welding with Universal wire feeder using DC Electrex equipment as a power source (available in models 220A - 600A)

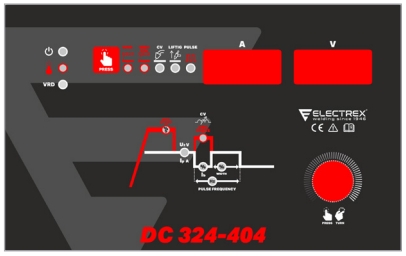
MMA VRD — No-load voltage reduction to avoid accidents in high-risk work environments (optional on models 160A to 200A).

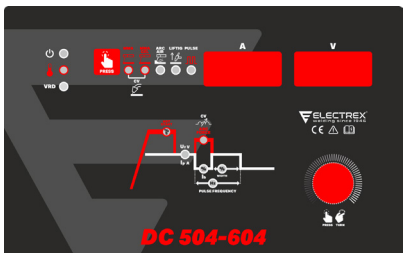
MMA CEL — MMA CEL function for welding cellulosic electrodes (available on all equipment, except DC 254)

ARC AIR — ARC-AIR function for cutting and chamfering (available on models DC 504 and DC 604).

DC 254-604







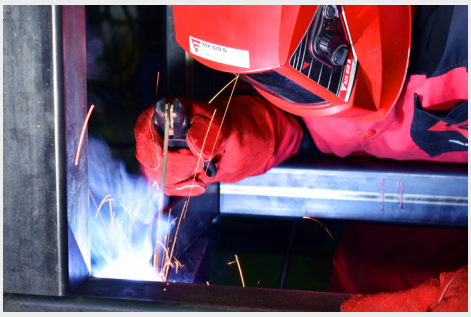
- Two displays to current and tension reading
- MMA, LIFTIG, MMA pulsed and LIFTIG pulsed welding
- VRD (Voltage Reduction Device) function available
- CV - Control Voltage (MIG welding with universal wire feeder) available in 220-600A models
- Arc-Air (available in 500-600A models)

MMA

- MMA and MMA pulsed welding
- Adjustable Hot Start and Arc Force
- MMA CEL

LIFTIG

- LIFTIG pulsed welding
- Arc OFF - Automatic arc welding extinction



Inverter DC with Hot Start and Arc Force function for better welding results.

Pulsed MMA and Liftig pulsed function for lower thermal delivery on thinner plates and greater arc control in the most demanding positions (vertical ascending).

Trolley for models DC 254, DC 324, DC 404 CEL and DC 504 CEL.

TECHNICAL DATA

	DC 254	DC 324	DC 404	DC 504	DC 604
Input voltage	3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)
Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current (MMA / TIG / CV)	20,5/14,9/18,5A	27,1/20,3/26,9A	36,4/27,9/34,6A	47,9/37/46,7A	60,1/48,9/60,1A
Maximum power (MMA / TIG / CV)	14,2/10,3/12,7 kVA	18,8/14,1/17,6 kVA	25,4/19,4/23,9 kVA	33/25,7/32,5 kVA	41,4/33,5/41,4 kVA
Fuse	16A	20A	32A	32A	40A
No-load voltage	69,3V	72V	92,5V	90V	91,3V
Welding current	10-250A	10-320A	15-400A	15-500A	15-600A
Duty Cycle (t=40ºC 10 min) -	(40%) 250A	(40%) 320A	(30%) 400A	(50%) 500A	(35%) 600A
60%	210A	290A	300A	455A	500A
100%	180A	240A	250A	360A	430A
Electrodes	Ø 5.0 mm	Ø 5.0 mm	Ø 8.0 mm	Ø 10.0 mm	Ø 10.0 mm
Protection	IP 23S	IP 23S	IP 23S	IP 23S	IP 23S
Insulation class	H	H	H	H	H
Weight (w/o trolley / w/ trolley)	16kg / 40,5kg	27,8kg / 52,3kg	27,8kg / 52,3kg	42,3kg / 64,5kg	43,8kg / 66kg
Dimensions w/o trolley (HxWxL) Dimensions w/ trolley (HxWxL)	356x230x480 740x470x1030	470x263x530 820x470x1030	470x263x530 820x470x1030	540x263x700 885x470x1030	540x263x700 885x470x1030

UNIVERSAL WIRE FEEDER

CV

APPLICATIONS

- Replacement of wire feeders on MIG/MAG welding machines.
- Integration in MMA and TIG welding machines with voltage control.
- Especially suitable for our range of MMA DC welding inverters.

UNIVERSAL WIRE FEEDER

- Universal wire feeder for MIG/MAG welding. Connect to any control voltage (cv) welding machine.
- 4 rolls wire feeder motor.
- Essential MIG/MAG parameters (up-slope, wire speed, burn back and post gas).
- Monophase input power.
- Suitable for air- or water-cooled torches as option.

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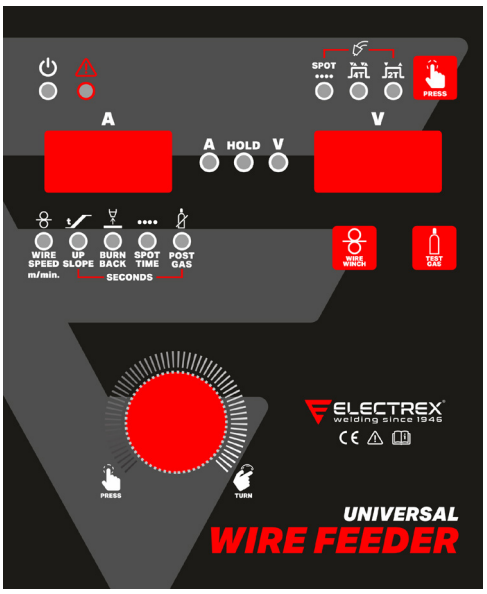
UNIVERSAL WIRE FEEDER



MIG

- 2T/4T/Spot
- Up Slope
- Burn Back
- Post-Gas
- HOLD function

TECHNICAL DATA

		UNIVERSAL WIRE FEEDER
Input voltage		1x230V (+-10%)
Frequency		50Hz
Maximum primary current		0,27A
Maximum power		63,40VA
Fuse		1A
Duty Cycle	60% 100%	500A 350A
Wire diameter		Ø 0,8 - 1,6
Feed rolls/ Motor power (W)		2R +2 flat rolls / 50W
Wire speed (m/min)		0,5 - 30,0m/min
Protection		IP23S
Insulation class		H
Weight		20,6kg
Dimensions (HxWxL)		510x310x675

AFFLUX 500

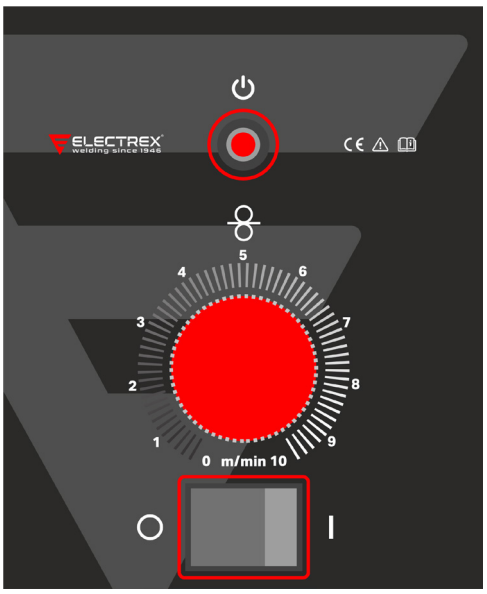
APPLICATIONS

- Metal workshops
- Exterior of mining complexes
- Shipyards construction, repair and maintenance
- Indicated for the reconstitution of parts with great wear due to high coating rate.

AFFLUX 500

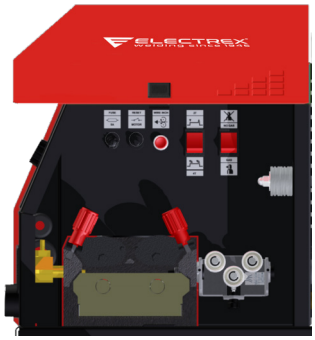
- Feeder for solid or fluxed wires welding with or without protection gas (OPEN ARC), with autonomous supply from the no load voltage of welding rectifiers.
- Easily convert your MMA welding rectifier into a high-performance OPEN ARC installation without external power, with a metal deposition rate higher than the MMA process.

AFFLUX 500



- Easy to use
- Very intuitive control panel with only one knob for wire speed adjustment
- Requires no special welder training

The possibility of working without protection gas allows it to be used outdoors.



Equipped with gas solenoid valve, allowing the connection of conventional MIG torches for welding with solid wires under gas protection.

Allows fast and easy replacement of wire coils without the need for special tools. Equipped with 25 kg coil holder.

TECHNICAL DATA

	AFFLUX 500
Input voltage (min-max of the power source)	5-80V (DC)
Motor power	100W
Duty Cycle	400A 100%
Wire speed	0-18m/min
Wire diameter (solid)	Ø 1,0-2,0mm
Wire diameter (fluxed)	Ø 1,6-2,8mm
Welding current (min-max of the power source)	100-500A
Weight	27kg
Dimensions (HxWxL)	670x440x750

Include feed rolls 1,6 - 2,0mm Flux.

AFC 300

APPLICATIONS

- Suitable for connection to rectifiers, for arc ignition with high frequency in TIG.
- For DC (mild steels and stainless steels).

AFC 300

- High frequency generator for connection to welding rectifiers, allowing TIG welding with high frequency ignition.
- Equipped with solenoid valve for gas protection with post-gas regulation and connections for TIG torch with micro-switch gas or water cooled.
- Torch 2T or 4T function.

TECHNICAL DATA

	AFC 300
Input voltage	1x110/220V
Frequency	50/60Hz
Maximum primary current (110/220)	0,5/0,3A
Maximum input power	0,055/0,06kVA
Maximum welding current	300A
Duty Cycle	300A 100%
Protection	IP 21S
Insulation class	H
Weight	13,6kg
Dimensions (HxWxL)	250x325x380

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ECONOTIG

APPLICATIONS

- Indicated for all MMA equipment with the LIFTIG option.

ECONOTIG

- TIG welding gas economizer equipped with protection gas solenoid valve and microswitch TIG torch connections.

TECHNICAL DATA

	ECONOTIG
Input voltage	1x230V
Frequency	50/60Hz
Power	12VA
Weight	1,4kg
Dimensions (HxWxL)	80x80x180

INVERPROTEK

APPLICATIONS

- Applicable to all single-phase equipment without over-voltage protection and other single-phase power tools.

INVERPROTEK

- Overvoltage protector for connection of single-phase inverters to generators or unstable mains.

TECHNICAL DATA

	INVERPROTEK
Input voltage	1x230V
Weight	1kg
Dimensions (HxWxL)	100x80x160


PLASMA

Plasma PCUT

PCUT 43	PCUT 63	PCUT 103
		
P. 40	P. 40	P. 40
1x230V	3x400V	3x400V
Max. cutting thickness ≤ 16 mm	Max. cutting thickness ≤ 20 mm	Max. cutting thickness ≤ 35 mm

PLASMA PCUT

APPLICATIONS

- Construction
- Demolition
- Repair and maintenance shops

PLASMA PCUT

- Inverter plasma cutting machines for all conductive metals such as mild steel, stainless steel, brass, copper and aluminum.
- The continuous current adjustment enables very fast, narrow and smooth cutting seam.
- Reliable arc ignition without high frequency.
- Suitable for hand or mechanized cutting of plates and tubes.
- Portable and ideal for construction, demolition, repair and maintenance shops.
- CNC connection (PCUT 63, PCUT 103)

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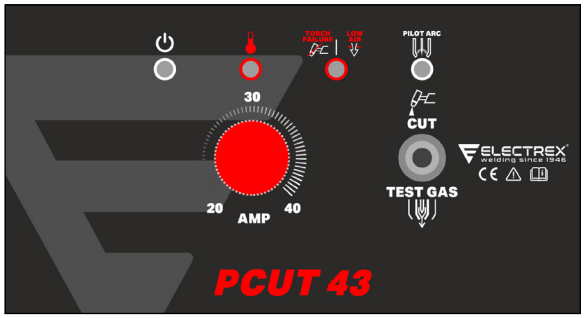
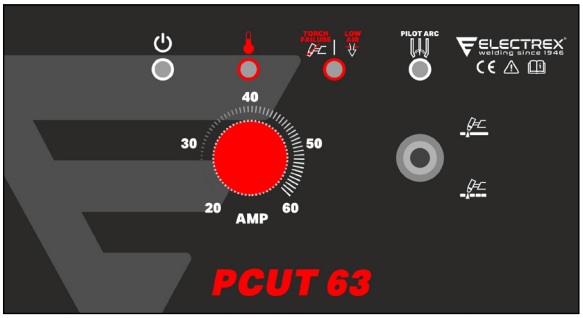
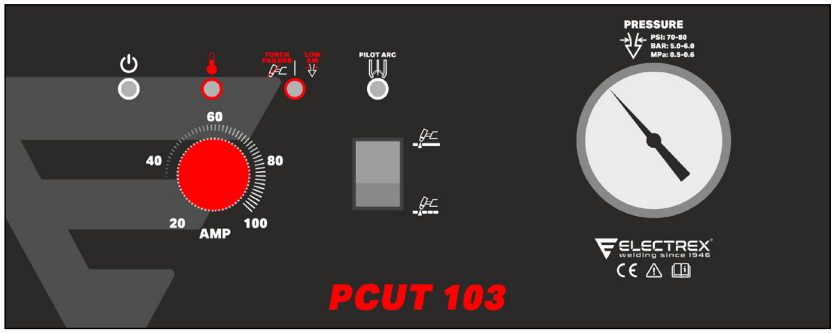
PCUT 43 | 63 | 103







- Low air pressure warning
- Torch failure Warning

TECHNICAL DATA

		PCUT 43	PCUT 63	PCUT 103
Input voltage		1x230V (+/- 10%)	3x400V (+/- 10%)	3x400V (+/- 10%)
Frequency		50/60 Hz	50/60 Hz	50/60 Hz
Maximum primary current		23,4A	12A	21,6A
Maximum input power		5,1kW	6,8kW	17,8kW
No-load voltage		460V	300V	300V
Current regulation		20-40A	20-60A	20-100A
Max. cutting thickness (steel)		≤ 16 mm	≤ 20 mm	≤ 35 mm
Recommended cutting thickness (steel)		≤ 10 mm	≤ 16 mm	≤ 30 mm
Severance cutting thickness (steel)		≤ 20 mm	≤ 25 mm	≤ 40 mm
Duty Cycle (t=40ºC 10 min)	40%	40A	60A	(80%) 100A
	100%	21A	38A	80A
Protection		IP 21S	IP 21S	IP 21S
Insulation class		H	H	H
Gas quality	AIR	Clean, dry, oil-free per ISO 8573-1 Class 1.2.2	Clean, dry, oil-free per ISO 8573-1 Class 1.2.2	Clean, dry, oil-free per ISO 8573-1 Class 1.2.2
	NITROGEN	99.95% pure Clean, dry, Oil-free	99.95% pure Clean, dry, Oil-free	99.95% pure Clean, dry, Oil-free
	F5 (STAINLESS STEEL)	99.98% pure (F5=95% nitrogen [N2], 5% hydrogen [H]	-	-
Recommended gas inlet flow rate/pressure				
	CUTTING	188.8 L/min a 5.9 bar	190L/min a 5.9bar	220L/min a 5.9bar
	MAX. CONTROL GOUGING	165.2 L/min a 4.1 bar	210L/min a 4.8bar	230L/min a 4.8bar
	MAX. REMOVAL GOUGING	-	210L/min a 4.8bar	230L/min a 4.8bar
	PRECISION GOUGING	165.2 L/min a 3.8 bar	-	-
Weight		14kg	14kg	32,5kg
Dimensions (HxWxL)		315x180x485	315x180x485	420x265x590


SPOT

SPOT THI 30

THI 30 DIGIT	THI 30 DIGIT PN	THI 30 DIGIMATIC PN
		
Page 52	Page 52	Page 52
400/230V	400/230V	400/230V
30kVA Max. 14kVA 50%	30kVA Max. 14kVA 50%	30kVA Max. 14kVA 50%

SPOT THI 50

THI 50 DIGIT	THI 50 DIGIT PN	THI 50 DIGIMATIC PN
		
Page 52	Page 52	Page 52
400/230V	400/230V	400/230V
50kVA Max. 25kVA 50%	50kVA Max. 25kVA 50%	50kVA Max. 25kVA 50%

SPOT THV 50

THV 50

Page 54
400/230V
-

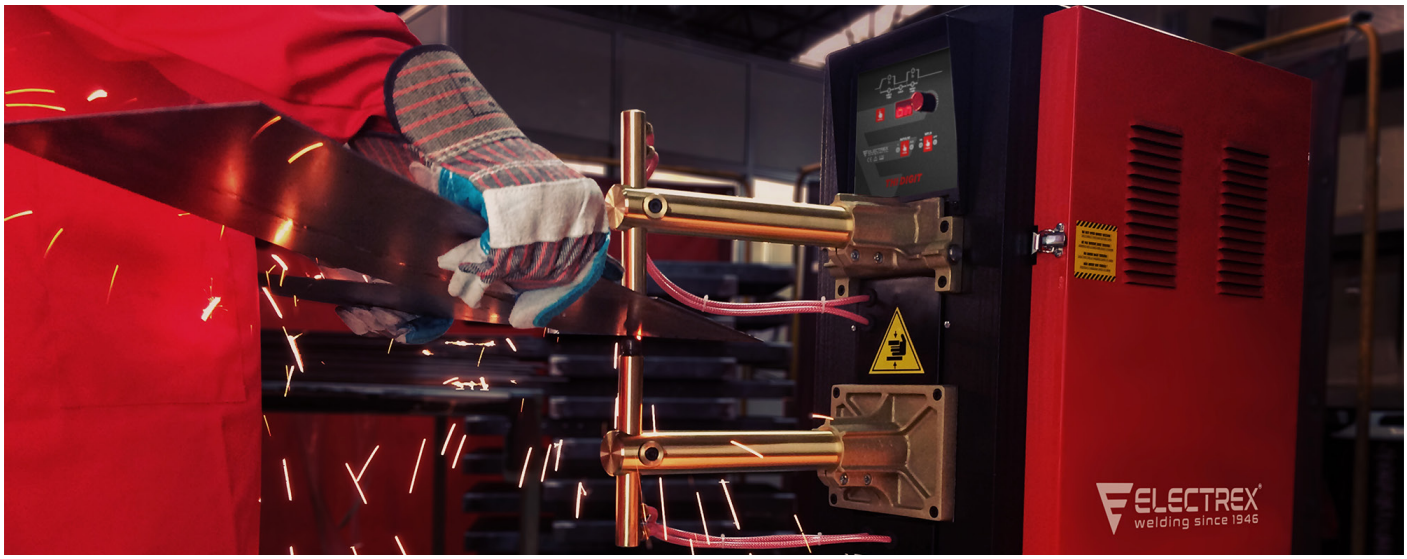
SPOT THI

APPLICATIONS

- Automobile industry
- Aerospace, railway, mining and oil industry
- Metal workshops
- Bodywork manufacture
- Solar and wind industry

THI DIGIT/DIGIMATIC

- 30 and 50 KVA spot welding machine mechanically or pneumatically operated (PN).
- 400V or 230V (optional) biphasic power input of with automatic detection of mains frequency.
- Arms and electrodes adjustable position and compatible with a wide range of electrodes, allowing different sizes and shapes parts welding.
- Single or double current impulse (oxidized or galvanized sheets)



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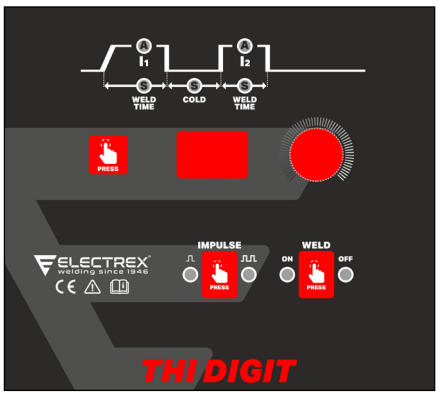
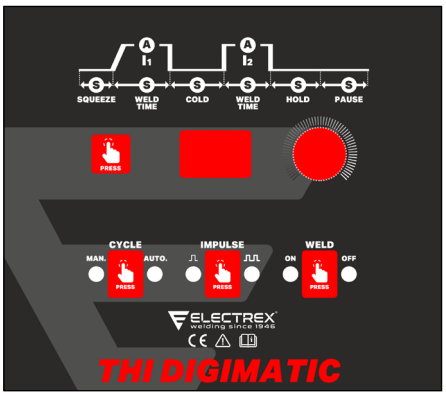
THI DIGIT / DIGIMATIC



The DIGIT controller allows the adjustment the following welding parameters:

- I1 - Single impulse welding current
- Weld time t1 - single impulse welding time
- Cold - pause between impulses
- I2 - Second impulse welding current
- Weld time t2 - second impulse welding time
- Single or double impulse - for oxidized or galvanized sheets
- Weld selector ON/OFF - execution of the welding operation / simulation of the welding operation



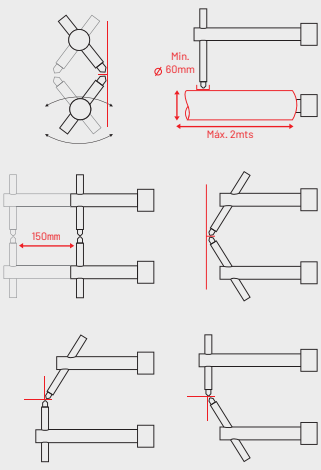
The Digimatic controller allows automatic sequential welding with the following functions:

- Squeeze - tightening time to ensure perfect contact between parts before welding
- I1 - single impulse welding current
- Weld time t1 - single impulse welding time
- Cold - pause between impulses
- I2 - Second impulse welding current
- Weld time t2 - second impulse welding time
- Hold - gradual cooling of parts to eliminate stresses and distortions
- Pause - time indicator between cycles
- Manual or automatic cycle
- Single or double impulse - for oxidized or galvanized sheets
- Weld selector ON/OFF - execution of the welding operation / simulation of the welding operation
- The parameters of each of the impulses (current and time), as well as the interval between the impulses (cold), can be adjusted separately.

TECHNICAL DATA

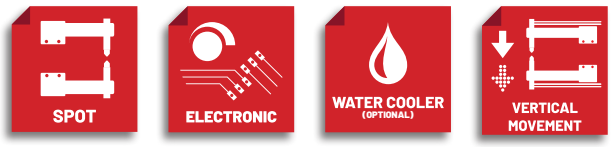
		THI 30	THI 50
Input voltage	Standard Optional	400(+/-10%) 230(+/-10%)	400(+/-10%) 230(+/-10%)
Frequency		50/60 Hz	50/60 Hz
Fuses		40A	50A
Power	Max. 50%	30kVA 14kVA	50kVA 25kVA
Welding capacity (mm/ Ø mm)	Steel Stainless Steel	4+4 - 15+15 2,5+2,5 - 8+8	5+5 - 20+20 3+3 - 12+12
No-load voltage		1-3,4V	1-4V
Short circuit current		11KA	13,8KA
Max. electrode pressure (daN - 7bar)	(340mm) (450mm)	200 140	200 140
Electrode opening		30mm	30mm
Distance between arms	Standard Optional	200mm 320mm	200mm 320mm
Arms length	Standard Optional	340-480mm 200-1000mm	340-480mm 200-1000mm
Arms diameter		Ø 45mm	Ø 45mm
Electrode holder diameter		Ø 25mm	Ø 25mm
Electrode diameter		Ø 20mm	Ø 20mm
Noise level		<70dB	<70dB
Air pressure		4-8bar	4-8bar
Water flow		4lt/min	4lt/min
Maximum cadence		172/min	172/min
Weight		164/162	178/176
Dimensions (HxWxL)		1280x450x1050	1280x450x1050

New coolers with support for application in THI machines



Arms and electrodes with positions according to the shape and dimensions of the workpieces to be welded.

SPOT THV

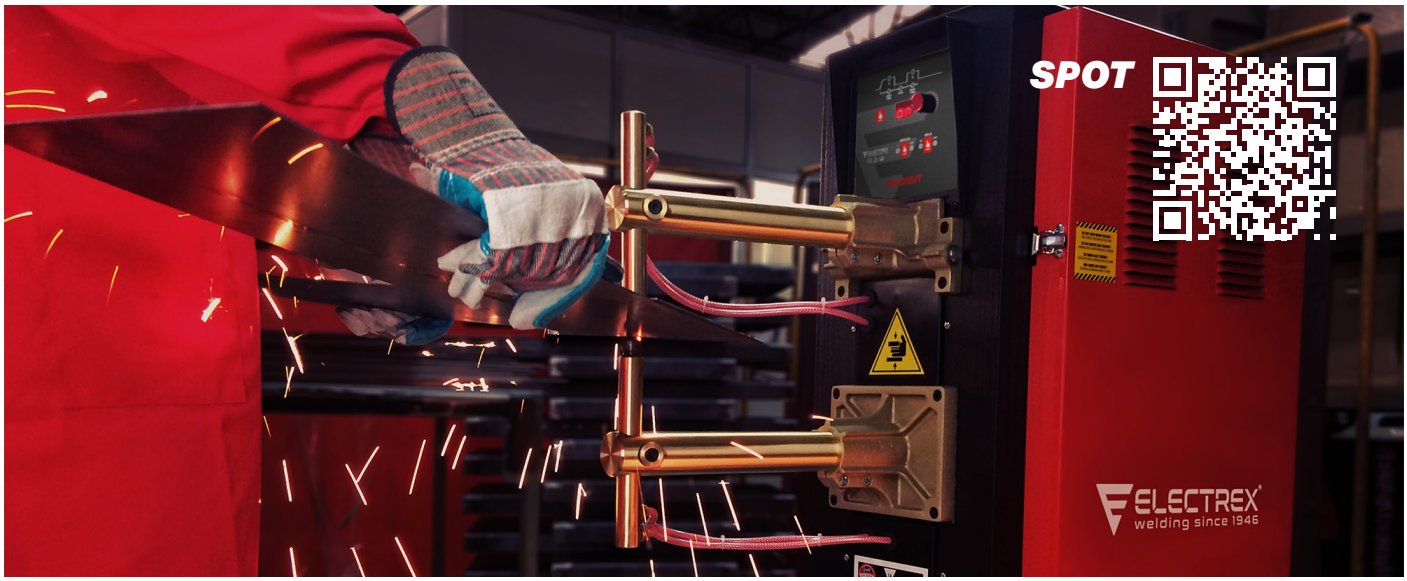


THV

- 50 KVA spot welding machine and pneumatic operation.
- THV controller allows welding in automatic cycle repetition up to a maximum cadence of 172 cycles/minute.
- Arms vertical descent, allowing exact points.
- 400V or 230V (optional) biphasic power input of with automatic detection of mains frequency.
- Arms and electrodes adjustable position and compatible with a wide range of electrodes, allowing different sizes and shapes parts welding.
- Single or double current impulse (oxidized or galvanized sheets)
- Excellent repeatability of parameters (current/time).

APPLICATIONS

- Automobile industry
- Aerospace, railway, mining and oil industry
- Metal workshops
- Bodywork manufacture
- Solar and wind industry



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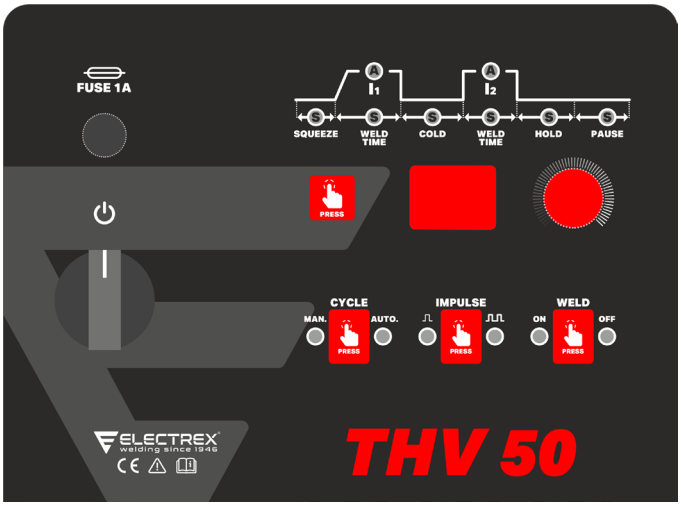
THV



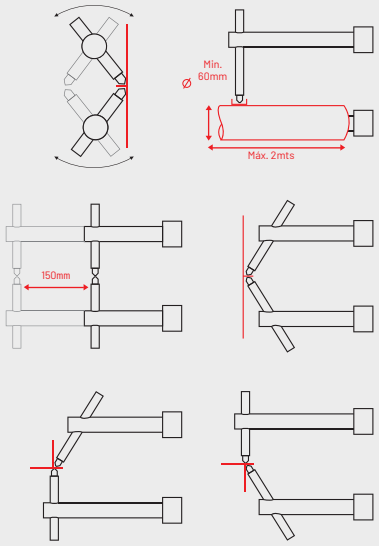
The Digimatic controller allows automatic sequential welding with the following functions:

- Squeeze - tightening time to ensure perfect contact between parts before welding
- I1 - single impulse welding current
- Weld time t1 - single impulse welding time
- Cold - pause between impulses
- I2 - Second impulse welding current
- Weld time t2 - second impulse welding time
- Hold - gradual cooling of parts to eliminate stresses and distortions
- Pause - time indicator between cycles
- Manual or automatic cycle
- Single or double impulse - for oxidized or galvanized sheets
- Weld selector ON/OFF - execution of the welding operation / simulation of the welding operation
- The parameters of each of the impulses (current and time), as well as the interval between the impulses (cold), can be adjusted separately.

TECHNICAL DATA

		THV 50
Input voltage	Standard Opcional	400(+/-10%) 230(+/-10%)
Frequency		50/60 Hz
Fuses		50A
Power	Max. 50%	50kVA 25kVA
Welding capacity (mm/ Ø mm)	Steel Stainless Steel	4+4 - 13+13 2+2 - 12+12
No-load voltage		1,5-5V
Short circuit current		13,8KA
Max. electrode pressure (daN - 7bar)		200bar
Electrode opening		80mm
Distance between arms	Standard	300mm
Arms length		350mm
Arms diameter		Ø 45mm
Electrode holder diameter		Ø 25mm
Electrode diameter		Ø 20mm
Noise level		<70dB
Air pressure		4-8bar
Water flow		4lt/min
Maximum cadence		172/min
Weight		237
Dimensions (HxWxL)		1630x400x1000

50kVA model for automatic cycle sequential welding of steel plates, wires and tubes, stainless steel, zinc, etc., allowing a maximum sequence of 172 cycles per minute. The vertical descent of the upper electrode allows the welding point position to be adjusted correctly.



Arms and electrodes with positions according to the shape and dimensions of the workpieces to be welded.

WATER COOLERS

FRIGOMIX S4

FRIGOMIX S4 C 230V	FRIGOMIX S4 V	FRIGOMIX S4 THI FH 400V
		
P. 50	P. 50	P. 50
230V	230V	400V
8lts/min	8lts/min	8lts/min

FRIGOMIX S4

FRIGOMIX S4 C 230V FH	FRIGOMIX S4 C 400V FH	FRIGOMIX S4 M 400V FH
		
P. 51	P. 51	P. 51
230V	400V	400V
8lts/min	8lts/min	8lts/min

WATER COOLERS

Frigomix S4 C 230V

- Water cooler for TIG or MIG/MAG torches with shucko plug single-phase input supply.
- Suitable for any TIG or MIG/MAG machine and any water cooled welding torch.

Frigomix S4 V

- Water cooler for TIG or MIG/MAG torches with shucko plug single-phase input supply.
- Suitable for any TIG or MIG/MAG machine and any water cooled welding torch.
- Portable and compact model.

Frigomix S4 THI FH 400V

- Water cooler for spot welding machines electrodes with input supply from a machine with a 400V Harting plug.

Frigomix S4 C 230V FH

- Water cooler for TIG torches with input with a 230V Harting plug.
- Suitable for integration with Electrex AC/DC TIG welding (TP AC/DC) single phased machines and any water cooled TIG welding torch.
- Modular design.

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Frigomix S4 C FH 400V

- Water cooler with 400V Harting plug to TIG and MIG compact three phased equipments.
- Suitable for integration with Electrex's three phased TIG (TP) and MIG (BASIC, SYN and PULSE) machines and any water cooled TIG or MIG welding torch.
- Modular design.

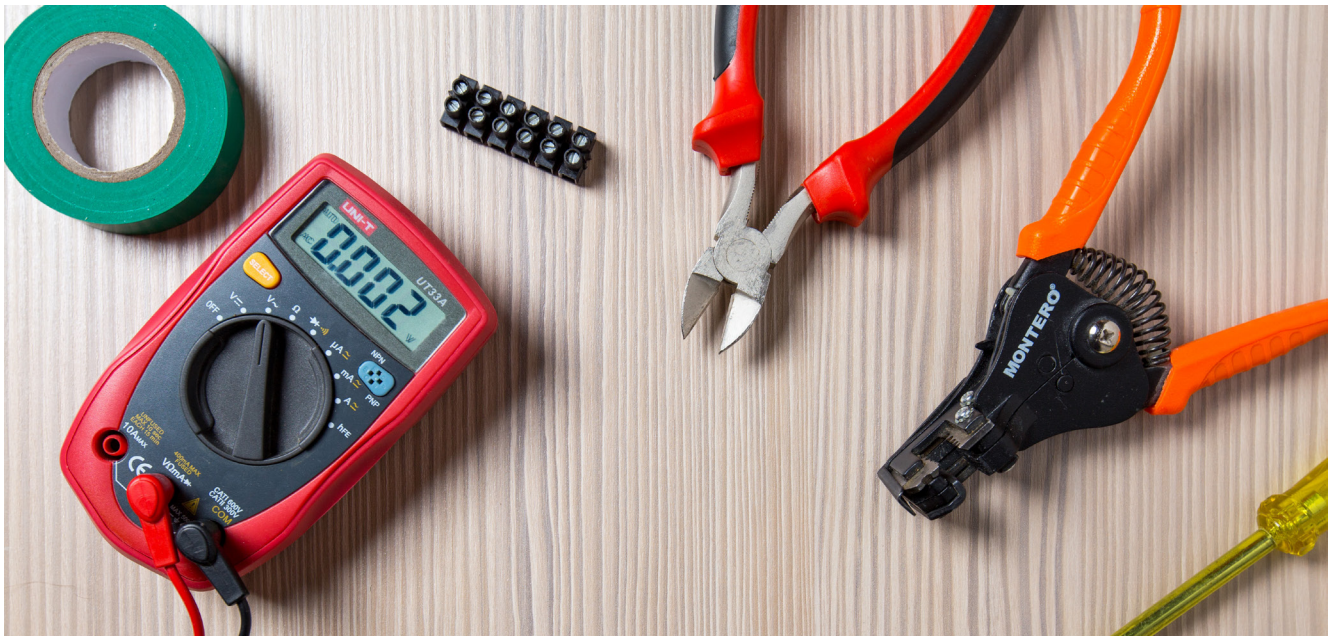
Frigomix S4 M FH 400V

- Water cooler for MIG/MAG torches with input with a 400V Harting plug.
- Suitable for integration with Electrex MIG/MAG BASIC, SYN e PULSE with water cooled TIG welding torch.
- Modular design.

TECHNICAL DATA

	S4 C 230V	S4 V	S4 THI FH 400V	S4 C FH 230V	S4 C FH 400V	S4 M FH 400V
Input voltage	230V	230V	400V	230V	400V	400V
Power	0,22kW	0,22kW	0,22kW	0,22kW	0,22kW	0,22kW
Application	TIG | MIG	TIG | MIG	SPOT	TIG	TIG | MIG	MIG
Water flow	8lts/min	8lts/min	8lts/min	8lts/min	8lts/min	8lts/min
Tank capacity	5lt	5lt	5lt	5lt	5lt	5lt
Weight	26,3kg	23kg	27kg	26,3kg	26,3kg	26,3kg
Dimensions (HxWxL)	260x268x725	630x210x545	335x268x725	260x268x725	260x268x725	260x268x725

ELECTREX SERVICE



TECHNICAL ASSISTANCE

We have a specialized technical team at your disposal, with approved repair procedures and with original Electrex spare parts.

WARRANTY

Our equipment is manufactured with rigorous production processes and tested to operate under the most demanding conditions, guaranteeing its reliability and durability.

DO YOU HAVE TECHNICAL QUESTIONS?

At Electrex we are always available to listen and answer the needs of our customers as soon as possible. Use our fast **Skype** and **WhatsApp** communication channels to solve your questions or technical difficulties.

Luciano Santos:

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NOTES

NOTES

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welding since 1946

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Ed.06 - 11/2024