



SPOT >>>>>

SPOT THI 30

THI 30 DIGIT



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400/230V

30kVA Max.
14kVA 50%

THI 30 DIGIT PN



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400/230V

30kVA Max.
14kVA 50%

THI 30 DIGIMATIC PN



Page 52

400/230V

30kVA Max.
14kVA 50%

SPOT THI 50

THI 50 DIGIT



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400/230V

50kVA Max.
25kVA 50%

THI 50 DIGIT PN



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400/230V

50kVA Max.
25kVA 50%

THI 50 DIGIMATIC PN



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400/230V

50kVA Max.
25kVA 50%

SPOT THV 50

THV 50



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400/230V

SPOT THI

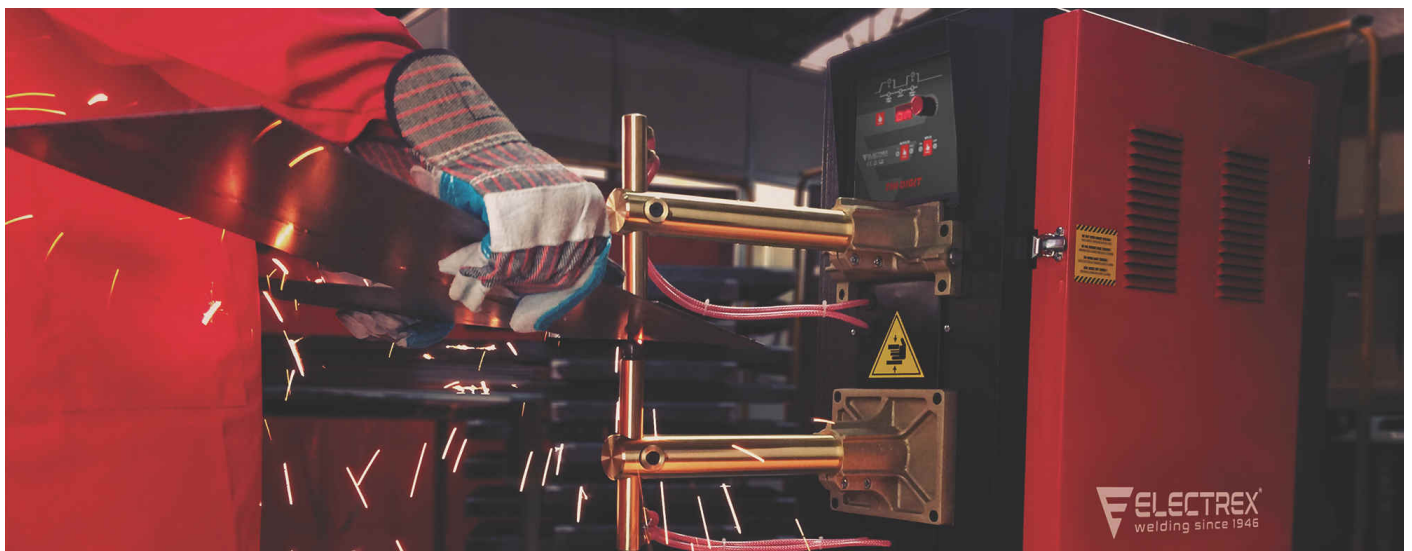


APPLICATIONS

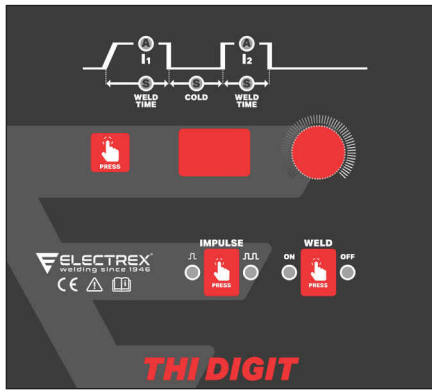
- Automobile industry
- Aerospace, railway, mining and oil industry
- Metal workshops
- Bodywork manufacture
- Solar and wind industry

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)

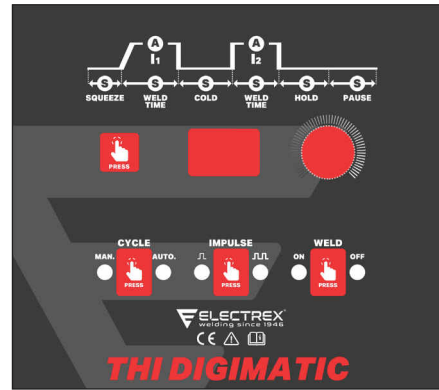


THI DIGIT / DIGIMATIC



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

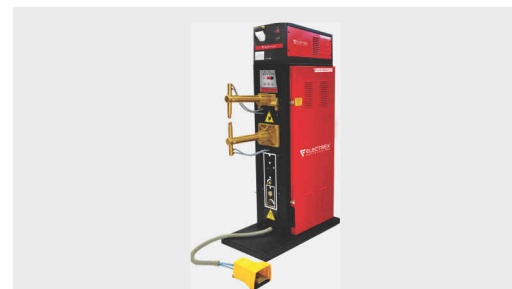


The Digimatic controller allows automatic sequential welding with the following functions:

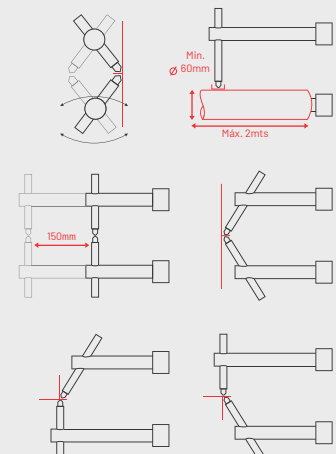
- Squeeze - tightening time to ensure perfect contact between parts before welding
- I1 - single impulse welding current
- Weld time t1 - single impulse welding time
- Cold - pause between impulses
- I2 - Second impulse welding current
- Weld time t2 - second impulse welding time
- Hold - gradual cooling 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

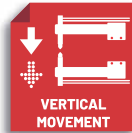


► New coolers with support for application in THI machines



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

SPOT THV

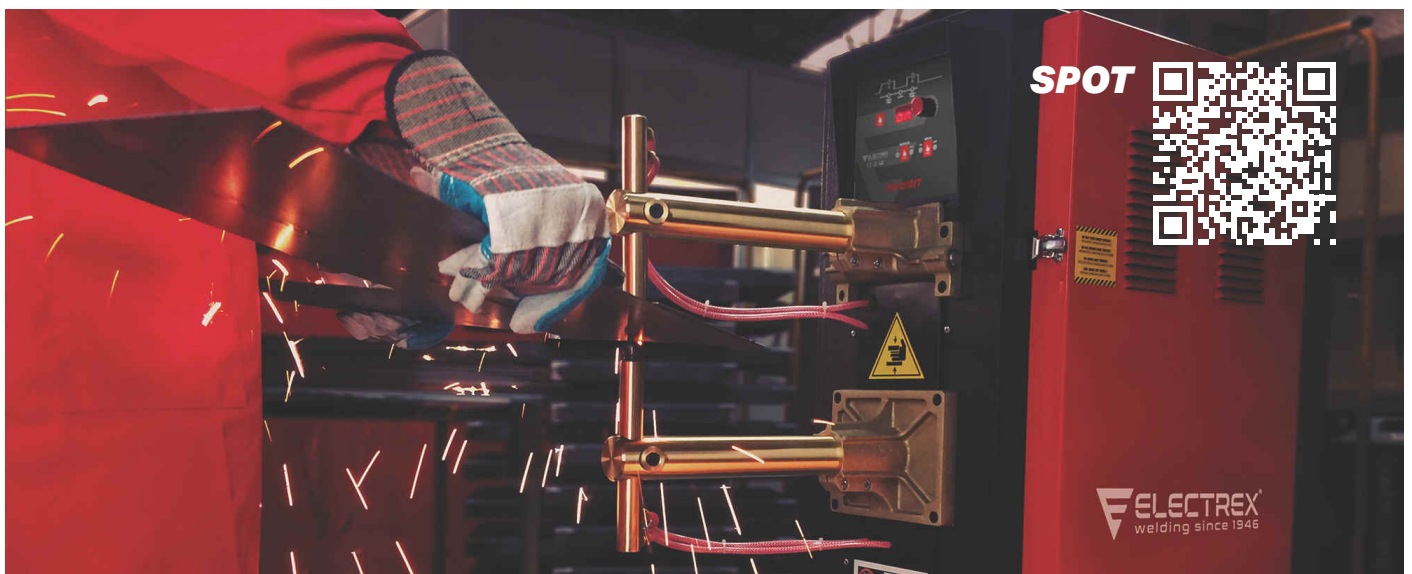


THV

- 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

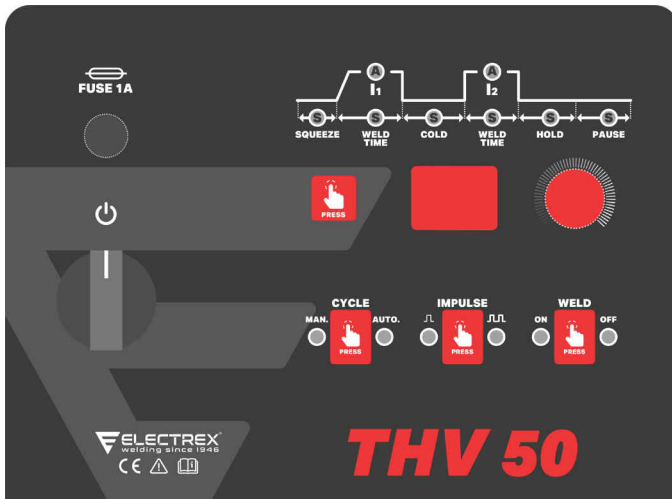


SPOT



ELECTREX
welding since 1946

THV



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

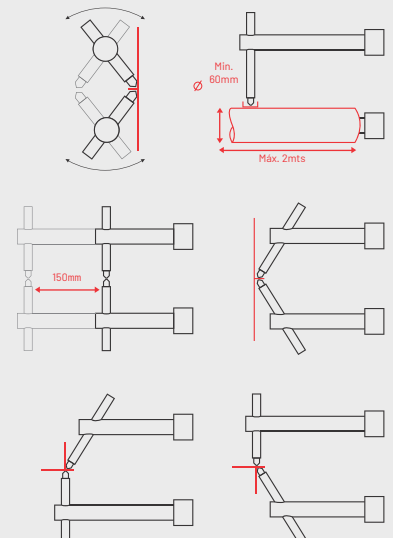
- Squeeze - tightening time to ensure perfect contact between parts before welding
- I1 - single impulse welding current
- Weld time t1 - single impulse welding time
- Cold - pause between impulses
- I2 - Second impulse welding current
- Weld time t2 - second impulse welding time
- Hold - gradual cooling 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.