

Origo™ Tig 3001i, TA24

For advanced industrial use and for repair and maintenance

Designed for high quality TIG-welding
This TIG machine will give a safe start and stable arc. All types of stainless and mild steel and most other materials, from plate thickness of 0,5 mm can be welded with high quality.

Strong and reliable
A strong and reliable 300 A inverter power source with a wide working range. With this equipment it is possible to weld almost all material suitable for DC TIG and MMA welding processes.

Easy to use

Productivity with the right quality is important. The control panel Origo™ TA24 has all the necessary functions for advanced TIG DC, Pulse TIG and MMA welding. All parameters presented in an easy to understand way.



Applications

- Repair and maintenance
- General fabrication and civil construction
- Process industry
- Shipbuilding and offshore
- Power generation
- Transport and mobile machinery

- Pulsed TIG welding- easy control of heat input and the weld pool.
- ESAB 2-program function –provides the opportunity to pre-program and change program during actual welding for increased productivity.
- Strong and reliable 300 A inverter power block- one machine for all types of demanding applications.
- Easy to use- All parameters presented in an easy to understand way.
- HF or LiftArc™ start in TIG.
- MMA welding – Handles all electrodes up to 5 mm.
- ArcPlus™ II – better welding characteristics in MMA, simplifies your work and gives you better weld quality with less after treatment.
- True MMA welding – Hot start and Arc force setting.



Origo™ Tig 3001i



Origo™ Tig 3001iw
incl CoolMidi 1000



Origo™ Tig 3001i
4-wheel trolley



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incl CoolMidi 1000
4-wheel trolley

Ordering information

Origo™ Tig 3001i, TA24	0459 745 885
Origo™ Tig 3001iw, TA24 (incl. CoolMidi 1000)	0459 745 886
Trolley 2 wheel	0460 564 880
Trolley 4 wheel	0460 565 880
Protection frame	0460 459 880
(Only valid for the power source and not in combination with CoolMidi 1000)	
Remote control MTA1 CAN	0459 491 880
Remote control AT1 CAN	0459 491 883
Remote control AT1 CoarseFine CAN	0459 491 884
Foot pedal T1 Foot CAN incl. 5 m cable	0460 315 881
Remote interconnection cables:	
5 m CAN	0459 960 880
10 m CAN	0459 960 881
25 m CAN	0459 960 882
Tig Torches:	
TXH™ 251w 4m	0700 300 561
TXH™ 251wF 4m	0700 300 562
TXH™ 201 4m	0700 300 552
TXH™ 201F 4m	0700 300 554

Delivery content: 5 m mains cable with plug, 2 m gas hose with 2 hose clamps, return cable 4,5 m with clamp.

Technical data

	Origo™ Tig 3001i, TA24
Setting range TIG	4-300
Setting range MMA	16-300
Mains supply, V, Hz	400, 3-50/60
Fuse (slow), A	16
Mains cable, Ø mm ²	4x4
Maximum output	
at 35% duty cycle, TIG, A/V	300/22,0
at 60% duty cycle, TIG, A/V	240/19,6
at 100% duty cycle, TIG, A/V	200/18,0
Slope up, sec	0-10
Slope down, sec	0-10
Gas pre flow, sec	0-5
Gas post flow, sec	0-25
Pulse time, sec	0,001-2,5
Open circuit voltage, V	60
Open circuit voltage limit (VRD active), V	35
Energy save mode, W	30
Power factor at 100% , at TIG mode	0,89
Efficiency at 100%, at TIG mode, %	82
Enclosure class	IP 23
Dimensions l x w x h, mm	652x249x423
Dimensions l x w x h (incl. cooling unit), mm	714x249x693
Weight, kg	33,5
Weight (incl. cooling unit), kg	54

Water cooling unit CoolMidi 1000:

Cooling capacity, W (l/min)	1100 (1,0)
Coolant volume, l	5
Max flow, l/min	4
Max pressure, 50/60 Hz bar	3/3,8
Weight empty/full, kg	14/19
External dimensions l x w x h, mm	690x245x300

Quality accessories for the quality welder

ESAB offers a wide range of accessories. The complete range, along with product information, is available at our local web-sites, look at www.esab.com or contact your local ESAB dealer.

Unrivalled service and support

Our commitment and ability to deliver the expected service and support starts immediately after the order is confirmed. We endeavour to offer our customers an After Sales service, which is second to none. A strong and skilful service organisation is prepared to offer service and maintenance, calibration, validation and upgrading of equipment and software.

The service organisation will offer standardised solutions for the reconditioning or modification of existing products.

Spare and wear parts are manufactured according to ESAB's quality plan. Exchange Printed Circuit Board (PCB), exchange modules and components are available for all our products in order to reduce downtime to an absolute minimum. ESAB is continuously upgrading authorised service partners for local service support. Customers who have their own service and maintenance personnel will always be offered a service-training package as part of a total ESAB offering. However, product and process training for end-users will form an additional part of the ESAB offering. Always ask your ESAB sales representative or distributor for a complete ESAB solution.

www.esab.com



COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
= ISO 9001 =
= ISO 14001 =
= OHSAS 18001 =