

# Origo™ Arc 4001i, A22/A24

## Optimum welding solutions

### Robust and powerful

An Origo™ Arc 4001i with either the A22 or A24 control panel, is your ideal partner for efficient MMA welding production indoor or outdoor, installation on site and for a wide range of repair & maintenance applications.

The power source is a compact and sturdy piece of equipment with a chassis made of galvanized steel which is designed to withstand the roughest of treatment.

The power source is based on inverter IGBT technology that ensures reliable equipment with outstanding welding characteristics.

The communications and control CAN-bus system means less cables, which in turn increases operational reliability.

### MMA applications

Origo™ Arc 4001i can weld most metals from alloyed and non alloyed steel to stainless steel and cast iron.

### Flexibility

The fundamental parts are the 400 A power module. The link between man and machine is the communicator. You can choose between two control panels (MMC) depending upon your requirements and demands. Both of them are clear, easy to understand and operate.

Origo™ **A22** is a one knob panel for setting and adjustment of welding current in MMA and TIG (LiveTIG™) and includes a digital ammeter.

Origo™ **A24** is a more sophisticated panel for MMA, TIG (LiveTIG™) and MIG/MAG (CV mode) inclusive a digital A/V-meter.



Panel (MMC) functions	Origo™ A22	Origo™ A24
Welding method MMA/TIG	X	X
Welding method MIG/MAG (CV)		X
Remote ON/OFF	X	X
Selection of electrode type		X
Arc Force	(x)	X
Hot start	(x)	X
Droplet welding	(x)	(x)
Min current setting TIG	(x)	(x)
Step-less inductance (CV)		X
Digital ammeter	X	
Digital V/A-meters		X
Memory, 2 set		X

### Market Segments

- Civil Construction & Field Erection
- Energy Generation
- Pipeline Contractors
- Earth Moving and Mining
- Offshore and Shipbuilding
- (Hire Fleets)

### Applications

- Outdoor Heavy Installation on Site
- Outdoor Maintenance and Repair on Site

- **Outstanding welding characteristics**- high efficiency and high quality welding.
- Efficient **Man Machine Communication** by the user-friendly control panels Origo™ **A22** and **A24**
- The Origo™ Arc **A24** allows the choice of electrode type, rutile, basic and cellulosic for optimal welding qualities and has an easy to read digital display to indicate current/voltage.
- Adjustable **Arc force** and **Hot start** to optimise the welding starts (Origo™ **A24**)
- Enclosure class **IP 23**
- **Dust filter** to handle tough and dirty environments by prevent grinding-dust and metal particles from entering the machine.

## Technical data

<b>Mains voltage</b> V, Hz	<b>Arc 4001i</b> 400, 3~ 50/60
<b>Fuse, slow</b> , A	20
<b>Mains cable</b> , Ø mm <sup>2</sup>	4 x 4
<b>Permitted load MMA at</b>	
35% duty cycle A/V	400 / 36
60% duty cycle A/V	320 / 32,8
100% duty cycle A/V	250 / 30
<b>Setting range A</b>	
MIG/MAG	20 - 400
MMA	16 - 400
TIG	4 - 400
<b>Open circuit voltage</b> V	91
<b>Open circuit power</b> W	60
<b>Power factor</b> at maximum current	0,89
<b>Efficiency</b> at maximum current %	85
<b>Dimensions lxxh</b> mm	652x249x423
<b>Weight</b> , incl mains cable and plug, kg	40
<b>Operating temperature</b>	-10 to +40°C
<b>Enclosure class</b>	IP 23
<b>Application classification</b>	S

The instruction manual include additional technical data.



Origo™ A22



Origo™ A24



## Ordering information

Origo™ Arc 4001i, A22	0460 455 880
Origo™ Arc 4001i, A24	0460 455 881

### Accessories

Trolley 2-wheel	0460 564 880
Feeder platform, Trolley 2-wheel	0460 815 880
Protection frame	0460 459 880
Remote control MTA1 CAN	0459 491 880
Remote control AT1 CAN	0459 491 883
Remote control AT1 CourseFine CAN	0459 491 884
Remote interconnection cables	
5 m	0459 960 880
10 m	0459 960 881
25 m	0459 960 882
5 m HD	0459 960 980
10 m HD	0459 960 981
25 m HD	0459 960 982
Welding cable, 5 m /Handy 400	0700 006 890
Welding cable, 5 m /ESAB 500	0700 006 892
Return cable, 5 m /EG 600	0700 006 893

**Delivery content:** 5 m mains cable incl plug

## 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.



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