ARC 402i

Industrial MMA Inverter Welder





ARC 402i

Compact & Efficient

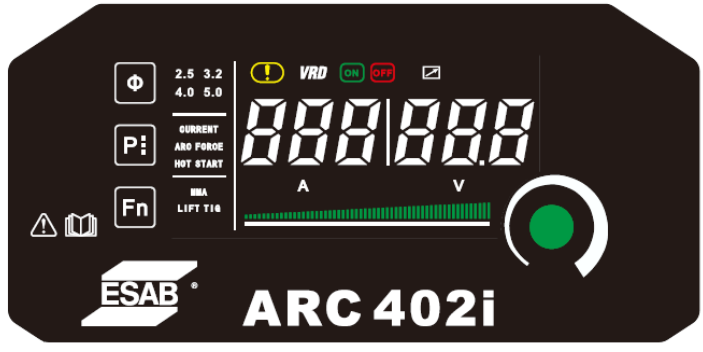
ARC 402i is a power source controlled by an IGBT-based inverter, designed for MMA (Stick) and Scratch Tig welding. The digital microprocessor enhances control over all arc parameters, delivering superior welding performance. Additionally, it offers guidance for setting welding parameters, supporting entry-level operators.

- User-friendly interface with a large digital current and voltage display
- Adjustable Arc Force and Hot Start - custom arc intensity for improved weld quality
- Compatible with MSGP, LH & SS electrodes
- Voltage Reduction Device (VRD) to increased safety at workplace
- Suitable to use with generator
- Long lead upto 200m
- Protection against Over-Temperature, Under-Voltage, Over-Voltage , Over-Current, Single-phasing and Short circuit

Visit **esab.com** for more information.

Industry or Process

- Heavy Fabrication
- Civil Construction
- Mining
- Repair and maintenance



Control Panel

ARC 402i

Specifications	
Mains Supply, V / Ph,Hz	415 ± 15% / 3, 50/60
Rated Input Power, KVA	20
Output Current Range MMA / Live TIG , A	MMA 20 - 400 | TIG 10 - 400
Output Voltage Range, MMA / Live TIG V	MMA 20.8-36| TIG 10.4-26
Duty Cycle 60% ,MMA / Live TIG , A	MMA 400 | TIG 400
Duty Cycle 100%, MMA / Live TIG , A	MMA 310 | TIG 310
Open Circuit Voltage, V	76
VRD, V	22
No-load power, W	< 50
Power Factor at maximum current	0.94
Efficiencyat maximum current, %	87
Protection Class	IP 21S
Insulation Class	H
Operating temperature, deg C	-10°C to +40°
Weight, Kg	16.2
Dimensions (L x W x H), mm	508×273×423 mm
Standards of conformity	IEC60974-1

Ordering Information	
Description	**Part Number**
ARC 402i	4610210401

ARC 402i is delivered 3m mains cable and Handhold 5m remote is optional

ESAB / esab.com

GLOBALLY CERTIFIED MANAGEMENT SYSTEMS

05-01-2026 // ESAB reserves the right to alter specifications without prior notice.