

By Lincoln Electric

 **arcweld**[®]

250i-ST DV Inverter



BUILT FOR THE JOB

The arcweld[®] 250i-ST DV Stick and TIG welder has been designed and manufactured using the latest digital inverter technology. The lightweight but solid build of this machine makes it suitable for operation on site in conjunction with generator or within a workshop environment, providing maximum flexibility.

The arcweld[®] 250i-ST DV as standard is equipped with an adjustable “Hot Start” providing a higher starting current to support easy striking of the electrode. The adjustable “Arc Force” on the machine allows flexibility depending on the electrode selection and application. It prevents sticking and shorting of the electrode.

The standard machine is equipped with a digital meter showing the presettable welding current, actual welding current or voltage during welding. It is very compact, lightweight and come with a handle for ease of transportation. Accessories are included, so the machines are ready to weld out of the box.

PROCESSES

• Stick • TIG

UNIT INCLUDES

- 3 meter input cable without plug
- 5 meter ground cable with work clamp
- 10 meter welding cable with electrode holder

ADVANTAGE

- ✓ **Excellent arc characteristics**
For a wide range of electrode types
6010, 6011, 6013 & 7018 up to 5.0mm in diameter
- ✓ **Two unique units**
Different outputs, performance and features fit any customer requirements
- ✓ **Robust design**
Robust, Metal housing and control buttons to withstand tough environmental conditions
- ✓ **Intelligent protection**
Over-voltage
Low-voltage
Over-current
- ✓ **Adjustable Arc Force**
Prevents sticking and shorting of the electrode
- ✓ **Adjustable “Hot Start”**
For excellent arc striking
- ✓ **Meets IEC 60974-1**
International Standard for welding machines
- ✓ **Thermally protected**
For longer life
- ✓ **Adopt IGBT technology**
For high reliability
- ✓ **Digital display**
Allows precise setting of welding current
- ✓ **Ready to Weld with accessories**
Accessories/power cord included

LINCOLN[®]
ELECTRIC
THE WELDING EXPERTS[®]

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TECHNICAL SPECIFICATION

Product Name	Product Number	Primary Voltage	Weight (kg)	Dimensions HxWxD (mm)	Protection / Insulation Class	Compliance
arcweld [®] 250i-ST DV	K69007-1	380V/440V/3/50/60Hz +/-10%	28.5	595x320x460	IP23S / F	IEC 60974-1

WELDING OUTPUT

Product Name	Current	Input Voltage	Rated Output (40°C) Duty Cycle	Rated Output (25°C) Duty Cycle
arcweld [®] 250i-ST DV	10-250A	380V	250A @ 30%, 170A @ 60%	250A @ 80%, 220A @ 100%
		440V	250A @ 25%, 160A @ 60%	250A @ 70%, 209A @ 100%

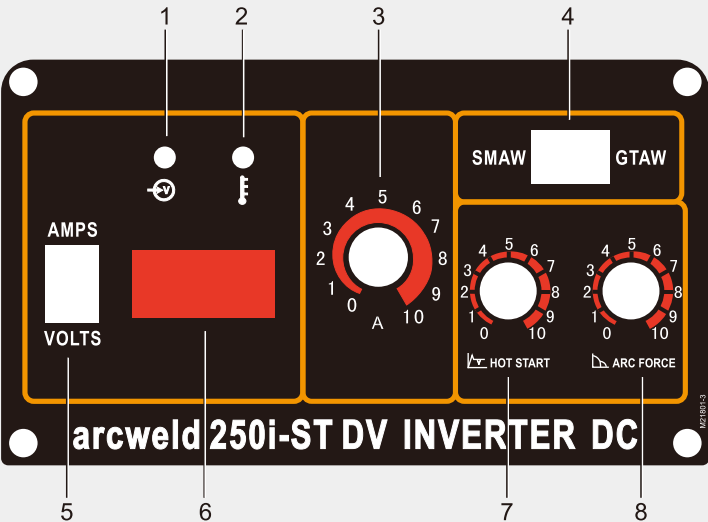
ACCESSORIES

Product Name	Item Number	Description
arcweld [®] 250i-ST DV	K69100-25-5M	Ground cable assembly, 25mm ² , 5M, 300A
	K69101-25-10M	Welding cable assembly, 25mm ² , 10M, 300A

INPUT POWER CORD



A CLOSER LOOK



Front Panel

- 1. Power Indicator Light
- 2. Thermal Shutdown Light
- 3. Output Current
- 4. Mode Switch
- 5. A/V Selector
- 6. Preset/Actual Meter
- 7. Hot Start
- 8. Arc Force

PACKAGING

Carton Box: Machine & Accessories



ACCESSORIES

