



POWERTEC® i250C & i320C
READY FOR TOMORROW



www.lincolnelectric.eu



POWERTEC® i250C & i320C

POWERTEC® i family are an inverter based multi-process compact system for MIG/MAG and MMA welding. Available as either the **STANDARD** [Volt & WFU controls and digital volt/ammeters] model or the **ADVANCED** [colour screen with 25 synergic curves] model with two welding outputs, 250 or 300A.

DESIGNED BY WELDERS, FOR WELDERS

POWERTEC® i is designed with attention to details



Gun Holder: always at hand, ready to work

Storage Compartment: keeps your workstation organized



Robust Front Cover (option): keep your user interface safe

K14174-1

Large TFT Colour Screen: Good visibility from distance



Rubber Bumpers (option): protect the feet of the welder

K14177-1



Low Gas Cylinder Shelf: easy install of gas bottle

➤ INNOVATIVE INTUITIVE INTERFACE

Simple navigation also when using welding gloves.

- Easy setting by selecting process & material thickness
- Visualisation of useful information [ARCFX™ joint configuration, welding defects...]
- Multi-language navigation menu

Intuitive navigation

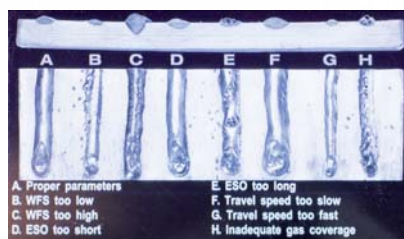


7" COLOR DISPLAY !

Easy Process Selection



Instructions on the screen



➤ MORE FUNCTIONS & FEATURES

Auto

AUTO-SETTINGS

Preset parameters to increase productivity



USB CONNECTIVITY

Easy software update & diagnostics, weld log for quality monitoring

➤ PERFECT FEEDABILITY

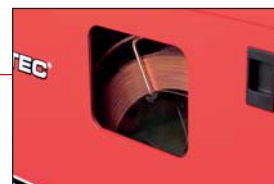


Optimized wire positioning: improved arc stability & reduced gun vibration

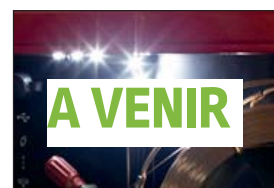


4 rolls/ all driven:

- eliminates wire slipping
- no wire deformation



Inspection window: easier notification for spool change



LED lights: better visibility

BUILT FOR THE HEAVIEST INDUSTRIAL CONDITIONS

Developed and tested under the hardest conditions (**TRUE HD**) to grant the reliability you need.



PREMIUM ARC PERFORMANCE

ARC INITIATION

Repeatable arc ignition with outstanding arc characteristics.

ARC STABILITY

Excellent arc stability, ensuring a smooth droplet transfer, with reduced spatter.

ARC DYNAMICS

Rapid parameter adjustment allowing variability under welding conditions.



TECHNICAL SPECIFICATIONS

POWERTEC® i250C & i320C can be used both for **MIG & STICK** welding of steel, stainless steel, aluminium and MIG brazing applications.



	POWERTEC® i	
	Standard	Advanced
Welding processes	MIG & FCW welding Stick welding	
Setting	manual	auto/manual
Welding parameters	digital meters	large colour screen
Synergic modes	-	25 preset
JOB Mode / A-B	-	✓
ARCFX™	-	✓
Language selection	-	✓
Memory function	-	✓
USB connection	-	✓

POWER SOURCE	POWERTEC® i250C	POWERTEC® i320C	
Main power supply	3 x 400 V [±15%] 50/60Hz		
Effective primary consumption [A]	14.7 A	19.6 A	
Efficiency at max current	86%	88%	
Idle Power [W]	< 25 W		
Power factor at max current	0.85	0.90	
Duty cycle (@ 40 °C)			
@ 40%	250 A	320 A	
@ 60%	250 A	250 A	
@ 100%	195 A	195 A	
Current range max	10 A / 250 A	10 A / 320 A	
Dimensions (LxWxH)	635 x 300 x 535 mm		
Weight	66 kg		
To order	Standard version	K14157-1	K14158-1
	Advanced version	K14157-2	K14158-2

→ READY FOR TOMORROW



The new European regulation for Welding Equipment will soon be implemented and will require a phase out of conventional equipment.

The new **POWERTEC® i** family complies with this regulation by having a minimum power source efficiency of 85% & an idle consumption which is below the new tolerated limit.

Depending on your application, welding parameters & duty cycle, you can save up **2.500 kWh* (~300€)** per year and per equipment.

** 260A, 2 shifts a day with 30% operator factor*

**BUY NOW,
BE READY FOR
TOMORROW AND
START SAVING
TODAY**

POWERTEC® i

**EXCEPTIONAL
ERGONOMICS**

**INTUITIVE
INTERFACE**

**PREMIUM
ARC
PERFORMANCE**

**BEST
RELIABILITY
(TRUE HD)**

**MORE
FUNCTIONS
& FEATURES**



BEING PRESENT LOCALLY MAKES US MORE AWARE GLOBALLY



2.6
BILLION USD REVENUE

160
ACTIVE IN 160
COUNTRIES
WORLDWIDE

11 000
EMPLOYEES WORLDWIDE

120
YEARS OF EXPERIENCE

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company® is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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