



Linde Arc Equipment. DC TIG 185



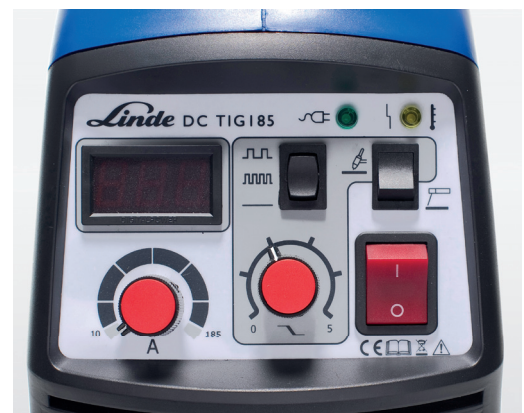
The Linde DC TIG 185 is an inverter based TIG welding machine with added MMA capability. This machine will consistently deliver high quality TIG welding of steel, stainless steel, copper, titanium and other nickel alloys. Light weight, portable and packed with features, the Linde DC TIG 185 offers the welder the perfect TIG welding solution.

Approvals

- CE approved and certified
- Conforms to EN60974-1 (Low Voltage Directive) & EN60974-10 (Electro-Magnetic Compatibility)
- RoHS compliant
- **Manufactured under stringent ISO9001 quality management system**

Features and benefits

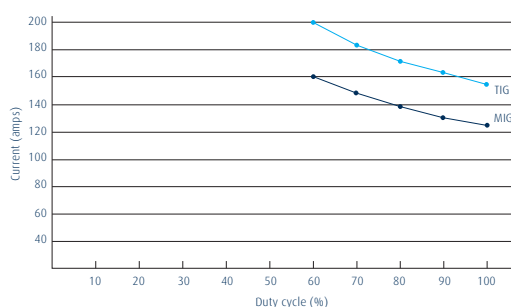
- HF arc initiation
 - Perfect starts every time
- Low amperage setting
 - 10A minimum allows welding of very thin gauge material
- High duty cycles
 - TIG = 185A 60%, 155A @ 100%
 - MMA = 160A @ 60%, 124A @ 100%
- Inverter based technology
 - More power, high duty cycles, less weight
 - Smooth DC +/- output
 - Reduced spatter and better weld bead
 - Allows TIG welding of multiple materials
 - Steel, stainless steel, copper, titanium, nickel alloys
- Compact, lightweight and portable
 - Weighs just 8.4kg
- Digital amperage display
 - Continuous amperage control
- Pulse capability
 - Allows reduced heat input
 - Minimises distortion on thinner gauge materials
- Down slope time control
 - Prevents crater cracking and oxidation
 - Adjustable current reduction
- Dual functionality
 - MMA capability (up to 160A)



Technical specifications

Part number	DC TIG 185 - 240V
Input voltage (V)	1PH AC240V \pm 15%
Frequency (Hz)	50/60
Rated input current (A)	TIG = 25.6 MMA = 30.1
No-load voltage	61
Output current range (A)	TIG = 10-180 MMA = 10-160
Rated output voltage (V)	TIG = 17.2 MMA = 26.4
Duty cycle (%)	TIG = 185A@70%, 155A@100% MMA = 160A@60%, 124A@100%
No-load loss (W)	40
Arc initiation	HF
Efficiency (%)	80
Power factor	0.73
Insulation grade	F
Housing protection grade	IP21
Weight (kg)	8.4
Dimension (mm)	430 x 185 x 306

Linde DC TIG 815 duty cycle graph



Applications

- Home and hobby
- Ductwork and prototyping
- Light manufacturing
- Maintenance and repair
- Sheet metal fabrications
- Root runs where high quality is required
- Welding of reactive materials (e.g. titanium)
- Site work and pipe welding

Quality and warranty

- Comprehensive operating manual
 - Safety information
 - Welding process references
 - Machine operating instructions
 - Fault-finding section
- 24 month warranty
 - Fully back by the Linde Group
- High build quality
 - Built under stringent ISO 9001 quality system standards
 - Compact and robust design
 - Cooling air flow from rear of machine limits interior dust and metal particles

Accessories kit included

- Electrode holder 300A (3M x 16mm²)
 - Earth clamp 300A (3M x 25mm²)
 - TIG torch connector and gas outlets
- Important: TIG torch and regulator not included.**



Ask your Linde representative for details of the wide range of quality Linde welding products and gases to suit your needs and applications.

BOC Limited

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