

XTI 181DV DC Tig Inverter

MACHINE



XTI 181DV DC Tig Inverter

- Dual Voltage 110/240V
- Lightweight 7.8 Kg
- 60% Duty Cycle @ 180A
- Generator Friendly
- Easy Electrode Re-striking with Hot Start (MMA)
- HF Arc Starting
- Adjustable Post Flow (Tig Mode)
- Supplied with 3m Earth Lead
- Latching Trigger Option (Tig Mode)
- Adjustable Downslope (Tig Mode)
- Connections 35-50mm Dinse
- IP23S
- 12 Months Return to Base Warranty

The use of inverter technology allows the construction of a lightweight portable Tig Inverter machine which is ideal for production applications.

DC Output

The XTI 181DV has a DC output and is suitable for welding alloy, non alloy steels, stainless steel and titanium.

- Tig Mode – Materials upto 6mm can be welded with ease.
- MMA Mode – Electrodes upto 4.8mm can be used with ease.

MMA Welding

By simply changing the torch the XTI181DV can be used for MMA welding. The smooth DC output gives excellent arc characteristics.

Tig Welding

The XTI 181DV can be used for Tig welding and is suitable for welding steel and stainless steel using the HF start circuit.

The latching trigger function improves operator comfort allowing the trigger to be released during long welds.

Generator Friendly

The XTI 181DV is able to cope with inputs which fluctuate by +/-15% and can be used with the majority of generators.

The machine is housed in a metal case with an integrated carry handle and shoulder strap.

Standards of Conformance

ISO/IEC60974-1

ISO/IEC60974-6

RoHS compliant

XTI 181DV DC Tig Inverter

Stock Code	Description
XTI 181DV	DV DC Tig Inverter
XTI181DV-P1	Inverter and PRO26 Tig Torch Package

XTI 181DV DC - Technical Information

Parameter	Value
Input Power Voltage	99-253V
Weight	7.8kg
Dimensions	376mm (L) x 172mm (W) x 304mm (H)
Duty Cycle	180A @ 60%
Frequency (Hz)	50 – 60 Hz
Input Rating (KVA)	4.2
Open Circuit Voltage (OCV)	71V
Input Current	16/32A
Output Current Range (A)	10-180A
Rated Output Voltage	10.4-17.2V
No Load Power (W)	50W
Efficiency (%)	85 %
Power Factor	0.93
Insulation Class	IP23S

Accessory Information

Stock Code	Description
CKE403	Electrode Holder with 3m Lead
CKC403	Earth Lead 3m with Clamp
IV26-12SBD19	Pro-Grip™ 200A Air Cooled Torch x 12.5ft
ERCP19	5 Pin XTI Inverter Plug
D3595-1-1	Tig Adaptor
E700123	Argon Regulator Single Stage 2 Gauge
WP26AK	Tig Spares Kit in Plastic Case
XR915H	Everyday Light Reactive Welding Helmet – Black
XTI903T	Foot Control

Related Products



P3838
Fingertip Sensitivity Tig Glove

See Safety Section
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E700123
Regulator 300 Bar – Single Stage 2 Gauge Argon



XR916H
Large View Light Reactive Welding and Grinding Helmet



Carry Case Supplied with Inverter