

Tetrix 451 DC Smart 2.0 puls

090-000255-00502



- Water-cooled DC TIG inverter welding machine
- **TIG welding**
- Features characteristics for EWM activArc and EWM spotArc at no extra charge
- TIG welding with reproducible, electronic HF start
- TIG lift arc welding without HF
- TIG average value pulsing: the preset welding current is maintained at all times, so particularly suitable for welding as per welding procedure specification
- TIG automated pulsing with automatic specification of required pulse parameters
- Large power reserves thanks to high duty cycle with all components heating up less as a result, guaranteeing a longer service life for machines when in use
- Non-latched/latched operation
- Reduced secondary current accessible using torch trigger
- Spot welding/tack function (spotArc/spotmatic)
- spotmatic and spotArc with direct access
- Up-slope/down-slope adjustable
- Spotmatic – halves time required for tacking
- Adjustable gas pre-flows/post-flows
- **MMA-Welding/gouging**
- MMA/gouging, automated pulsing with automatic specification of required pulse parameters
- Ideal for root welding
- Safe, reliable vertical-up and vertical-down welding
- Adjustable hot start current and hot start time
- Adjustable Arcforce
- Antistick function
- **Highlights**
- Excellent torch cooling, resulting in cost savings on consumables due to high-performance centrifugal pump and 12-litre water tank
- Energy-saving thanks to high efficiency and standby function
- Connection capability for remote control and function torch
- Crane-liftable casing
- Can be optionally connected to LAN or WiFi. Xnet-compatible
- PC interface for PC300.Net software

	TIG	MMA
Setting range for welding current	5 A - 450 A	
Duty cycle at ambient t.e	40 °C	
80 %	450 A	
100 %	420 A	
Open circuit voltage	79 V	
Mains frequency	50 Hz / 60 Hz	
Mains fuses (slow-blow)	3 x 32 A	
Mains voltage (tolerances)	3 x 400 V (-25 % - +20 %)	
Max. connected load	16.3 kVA	22 kVA
Recommended generator power	22 kVA	29.7 kVA
cos φ	0.99	
Efficiency	90 %	
Dimensions machine, LxWxH in mm	1085 x 450 x 1003	