



# Tetrix 230 AC/DC Smart 5P TM



### activArc –

Precise, focussed arc with reduced heat input and deep penetration for optimum root fusion

- Inverter welding machine, AC/DC
- TIG and MMA welding
- Modular (gas- or water-cooled)
- Gas-cooled version: Portable, including shoulder strap
- Smart: Practical reduction of the operating elements down to the most important functions
- More effective welding with activArc technology
- Spotmatic – saves 50% of tacking time
- Connection capability for remote control, function torch, cooling unit
- Cooling unit can be changed with no need for tools or specialist staff and no need to open the welding machine
- 3 m mains supply lead with 16 A shock-proof plug
- Overvoltage protection: No damage to machine caused if inadvertently connected to 400-V mains voltage

|                                   | TIG  |       | MMA         |       |
|-----------------------------------|--|-------|-------------|-------|
| Setting range for welding current | 3 A - 230 A  |       | 5 A - 180 A |       |
| Duty cycle at ambient t.e         | 25 °C  | 40 °C | 25 °C       | 40 °C |
| 35 %                              | –  | 230 A | –           | 180 A |
| 40 %                              | 230 A  | –     | –           | –     |
| 45 %                              | –  | –     | 180 A       | –     |
| 60 %                              | 180 A  | 160 A | 160 A       | 140 A |
| 100 %                             | 150 A  | 130 A | 140 A       | 110 A |
| Open circuit voltage              | 45 V   |       |             |       |
| Mains frequency                   | 50 Hz / 60 Hz  |       |             |       |
| Mains fuses (slow-blow)           | 1 x 16 A   |       |             |       |
| Mains voltage (tolerances)        | 1 x 230 V (-40 % - +15 %)                                |       |             |       |
| Max. connected load               | 5.2 kVA  |       | 5.8 kVA     |       |
| Recommended generator power       | 7.8 kVA  |       |             |       |
| Dimensions, machine, LxWxH in mm  | 600 x 205 x 415  |       |             |       |
| Weight, machine                   | 19.3 kg  |       |             |       |
| Protection classification         | IP 23  |       |             |       |
| Insulation class                  | F  |       |             |       |
| Torch connection                  | Decentral  |       |             |       |
| Standards                         | IEC 60 974-1; -3; -10 / CE / S-Safety sign / EMC class A |       |             |       |

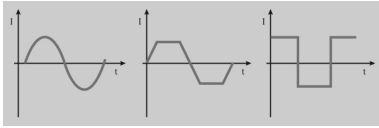


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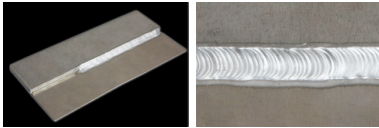
### Easy to use on site

The Retox torch allows all programs, operating modes and the up/down function to be called up at the touch of a button.



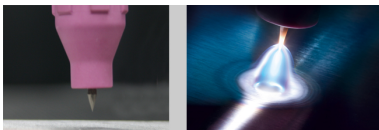
### Alternating current types for every need

Different types of alternating current allow welding properties to be individually selected: sinusoid – for agreeably low-noise welding; trapezoid – the all-round setting for almost every application; rectangular – for particularly difficult applications



### AC special for thin to thick

Simple and reliable: 1 mm to 10 mm! Reliable joining of aluminium panels with very different thicknesses: good penetration in the thicker panel, no melting through the thin panel.



### Reliable ignition

AC: Reliable ignition, stable arc because the shape of the balled end can be very easily adjusted in line with the tungsten electrode diameter. This reduces electrode wear



### Endless power with a 1-phase mains supply

230 amperes welding current from a 230 volt mains supply with shock-proof plug (16 ampere mains fuse)



### 100% suitable for construction sites

Perfect for large construction sites and very tough assembly work with mains supply leads up to 50 metres or connected directly to a generator. High tolerance to mains fluctuations ensures a perfect welding result.