



## Origo Tig 4300iw AC/DC, TA24 AC/DC

**Heavy-duty Inverter Power Sources for Manual / Mechanized TIG (AC/DC TIG / DC Pulse TIG) and MMA Welding**

- Designed to weld any metal e.g. aluminium, magnesium, copper and its alloys, MS and SS with high performance.
- Robust construction, Digital display, 2 job memories.
- QWave - High performance AC welding with low noise.
- Electrode preheating - excellent arc start and extended electrode life-time.
- VRD - Voltage Reduction Device, safety feature in MMA.
- Energy save made - cooling fan and pump on demand.
- Burns MMA electrodes of any class of size up to 6.3 mm.
- Arc force, hot start, polarity switch for welding in MMA.
- Trolley and remote hand / foot control optional.



Technical Data	Tig 4300iw AC/DC, TA24 AC/DC
Mains supply, Ph x V, Hz	3 x 400±10%, 50
Open circuit voltage, V (Max)	83
Welding current range, A (TIG)	4 - 430
Welding current range, A (MMA)	16 - 430
Output at 60% duty cycle, A	400
Output at 100% duty cycle, A	310
Type of cooling	Forced Air
Enclosure class	IP 23
Application class	S
Dimensions, l x w x h, mm	625 x 394 x 776
Weight, Kg	95
Standards of compliance	IEC/EN 60974 -1 / -2 / -3 / -10
TIG start mode	HF / Lift Arc
2/4 Stroke	2 / 4
Slope up, sec	0 - 10
Slope down, sec	0 - 10
Gas pre-flow, sec	0 - 5
Gas post-flow, sec	5 - 25
Pulse / background current, A	4 - 430
Pulse / background time, sec	0.01 - 2.5
AC balance, %	50 - 98
AC frequency, Hz	10 - 152
Electrode preheating	1 - 100
<b>Cooling Unit</b>	<b>Built-in</b>
Coolant type	50% water / 50% mono ethylene glycol
Cooling power, W*	2000
Coolant volume, ltr	5.5
Max flow, ltr/min	2

\* At 40 Deg C temperature difference and flow rate 1.0 ltr/min