



CHAMPTIG 400P



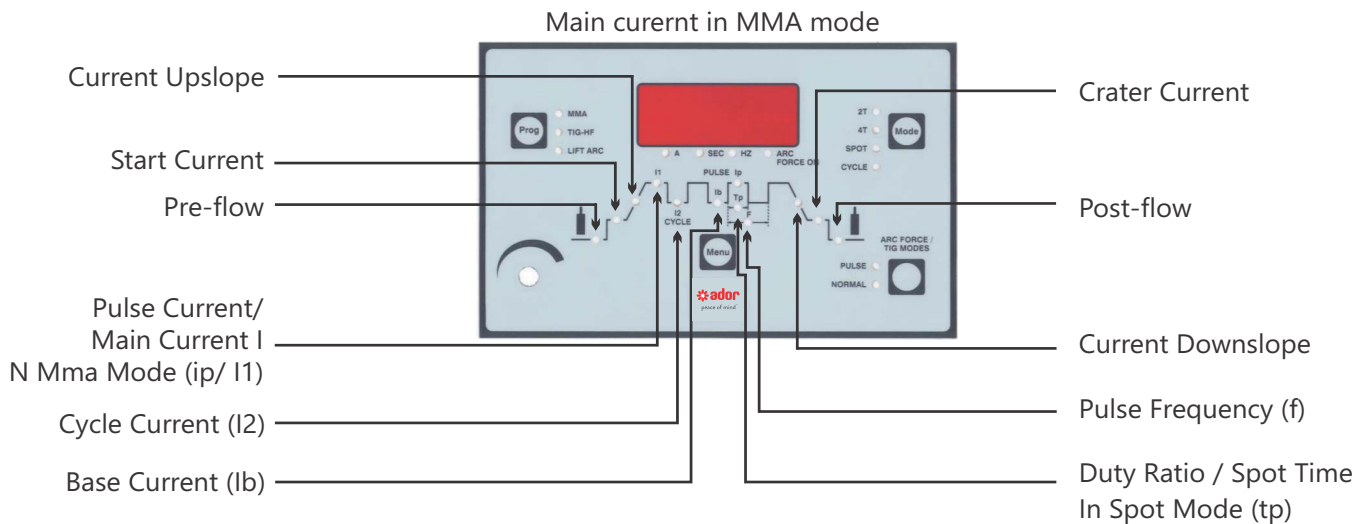
The World Class Inverter based DC TIG and DC Pulsed TIG Welder



SALIENT FEATURES

- Three phase inverter based, High efficiency and High Power Factor Pulse TIG/ MMA DC Welder
- Useful for wide variety of material types and thickness.
- Full featured TIG controls possible
- HF ignition
- Intelligent protection: over/under voltage, over current / temperature
- Water cooled Torch with water cooling unit option.
- Latest PWM inverter technology
- High efficiency (>85%)
- Smooth and stable arc with spatter less welding

CONTROL PANEL FEATURES











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SPECIFICATIONS





| Technical Specifications | Unit | CHAMPTIG 400P | |
|---|-------|--|----------|
| Input | | | |
| Input Supply : | | | |
| Voltage  | Volt | 415 , +15%, -10% | |
| Phase | No | 3 | |
| Frequency | Hz | 50/60 | |
| Efficiency @ 100% duty cycle | % | 85 | |
| Power Factor @ 100% duty cycle | | 0.94 Max | |
| Input KVA  | | MMA Mode | TIG Mode |
| @ 100% duty cycle | KVA | 13 | 10 |
| @ No Load | KVA | 0.13 | 0.13 |
| Output | | | |
| Open Circuit Voltage  | Volt | 70 | |
| Welding Current Range  | | MMA Mode | TIG Mode |
| Welding Current  | Amps | 50-400 | 10-400 |
| @ 100% duty cycle | Amps | 310 | |
| @ 60% duty cycle (10 min cycle) | Amps | 400 | |
| Pulse TIG Parameters | | | |
| Duty Ratio | % | 10-90 | |
| Pulse Frequency | Hz | 0.5-10 | |
| Base Current | Amps | 10 - 90% of Ipulse current | |
| Pulse Current (Ipulse) | Amps | 10-400 | |
| General | | | |
| Start current | Amps | 10-400 | |
| Current unpslope time | Sec | 0-10 | |
| Current down slope control | Sec | 0-10 | |
| Pre-Flow | Sec | 0-5 | |
| Post-Flow | Sec | 0.1-20 | |
| Crater current | Amps | 10-400 | |
| Current / Voltage Display | | 7-Segment LED Display for Current & Other parameters | |
| Ingress Protection | Class | IP23 | |
| Cooling  | Type | Forced Air | |
| Insulation | Class | H | |
| Welding Output Terminals | - | Cam Lock connections | |
| Dimensions  | | | |
| Length | mm | 660 | |
| Width | mm | 315 | |
| Height | mm | 485 | |
| Weight (approx.)  | Kg | 46 | |

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Cont.

| Water Cooling Unit | | |
|--|---------|-------|
| Input Supply Voltage (AC) | Volts | 230 |
| Phase | - | 1 |
| Frequency | Hz | 50-60 |
| Water Reservoir Capacity | Liters | 8 |
| Flow rate | Ltr/min | 10 |
| Dimensions  | | |
| Length | mm | 560 |
| Width | mm | 325 |
| Height | mm | 285 |
| Weight (approx.)  | Kg | 18 |
| Trolley | | |
| Dimensions  | | |
| Length | mm | 1005 |
| Width | mm | 500 |
| Height | mm | 109 |
| Weight (approx.)  | Kg | 35 |

- **Warranty** : One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.