

Invertec® 170TPX Invertec® 220TPX

Professional TIG welders for tough conditions

The Invertec® 170TPX and 220TPX TIG and Stick welders combine a rugged industrial construction with excellent arc characteristics. They are full function DC TIG inverters with excellent arc control and perfect Arc Start in any welding conditions. All the machines have been designed, not only as a TIG welder, but to also operate as a stick welder with a variety of popular stick electrodes. Their portable rugged design makes them ideal for both in shop or field use.

The Invertec® 170TPX features include basic TIG and Stick functions, Pulse TIG, 10 memory locations, TIG Spot welding for improved TIG welding performances. The Invertec® 220TPX includes all the same features and advantages as the Invertec 170TPX model with the addition of Power Factor Correction (PFC) circuitry that allows TIG welding UP to 220A with 16A single phase input voltage. All the machines are designed to operate on engine driven generators.

Features

- Advanced inverter technology for superior TIG performance.
- Full function user-friendly control panel layout with graph and a numeric display make it easy to set all welding parameters.
- Rugged construction: electrical safety (IP23), potted PC boards and optimum airflow "Tunnel Technology" reduce contamination to extend the equipment's life in the harshest environmental conditions.
- HF and Lift TIG ignition meeting all requirements.
- Perfect TIG HF starting with pre-settable stating mode.
- Complete TIG parameters setting: Pulse TIG with variable frequency that allows the welder to adjust the arc focus to suit the applications, 10 memory location for personalized welding setting, TIG Spot welding.
- PFC (Power Factor Correction) advantages: 30% more output current with the same input current, suitable for 240V (+15%-10%) single phase, low current consumption, energy saving, low current harmonics and reduction of the total CO₂ produced by the welding process (220TPX).

Processes

- Stick
- Lift TIG / TIG HF
- TIG Pulse



Recommended Consumables

- **Steel**
LNT 25, LNT Ni1, LNT 19, Lincoln TIG S-6
- **Stainless steel**
LNT 308LSi, 316LSi, 309LSi

Unit Includes

- 2 m input cable & 240V 15A plug
- Gas connection kit

Key Options

- **KIT-200A-25-3M** Cable Kit 200A - 25 mm² - 3 m
- **KIT-250A-35-5M** Cable Kit 250A - 35 mm² - 5 m
- **GRD-300A-50-5M** Ground cable 300A - 50 mm² - 5m
- **PC17FS-8I** Powercraft® PC17G TIG Torch 8M
- **PC26FS-8I** Powercraft® PC26G TIG Torch 8M
- **K870** Foot Amptrol
- **K14147-1** Remote control - 15 m
- **K14148-1** Extension for remote control 15m



Technical Specifications

Product	Item Number	Primary Voltage (50-60Hz)	Current Range (A)	Rated Output (TIG)	Fuse Size (A) (slow)	Weight (kg)	Dimensions HxWxD (mm)	Protection/ Insulation Class
Invertec® 170TPX	K12055-2	230V/1Ph	5 - 170	170A/16.8V/35% 130A/15.2V/100%	16 (TIG)	12	328 x 212 x 465	IP23 / H
Invertec® 220TPX	K12057-2	115/230V/1Ph	2 - 220	220A/18.8V/25% 150A/16V/100%				