# SHORT-INFO T-Pro 300

# Industrial-grade TIG quality in a compact, mobile case.

- Outstanding TIG weld characteristics
- Mobile with integrated water cooling
- pulse and fast pulse up to 2 kHz
- Low energy consumption



Intelligent Torch Control

# At a glance

#### Outstanding TIG welding characteristics thanks to inverter technology

Distinguished by their high efficiency and superb welding characteristics, inverters utilise digital software control technology that has a significant influence on the outcome of the welding process.

#### The SmartBase expert database provides for optimum arc conditions

SmartBase is the name of the expert database devised by Lorch to control the arc. This database lets you adjust the parameter settings yourself, giving you the freedom you need to tweak and correct even the finest details of the process you are applying.

#### Pulse and fast pulse up to 2 kHz

The standard pulse function with up to 2 kHz that is built into every machine offers you additional benefits when welding thin plates.

#### TipTronic

Using the TipTronic facility, you save your ideal setting for each weld so that you can effortlessly retrieve the settings one at a time using the Up-Down or Powermaster torch when performing recurring welding tasks.

#### **Electrode welding function**

Electrode welding with Hotstart, Anti-Stick and Arc-Force regulation: The automatic Hotstart feature guarantees perfect ignition every time, while the Anti-Stick system reliably prevents the electrode from sticking, and Arc-Force regulation supports the welding process when you are dealing with difficult electrodes.

#### Mobile with integrated water cooling

Featuring a water cooling system that is housed in a compact mobile case, the Lorch T-Pro 300 is perfectly suited for use at workshops on site.



#### **Changeover DC to AC**

Available as DC and AC/DC versions in all power variants, Lorch's T series provides you with maximum flexibility.

#### **Remote control**

Welders often experience that the conditions on site do not allow them to place their welding machine right beside them. When faced with this type of situation, they find the use of a remote control helpful as it allows them to intervene and adjust the welding current if necessary. This is why Lorch has included a large variety of different hand and foot remote controls in their T series, which are ready for use right away thanks to their plug&play support.

## Benefits

#### Intelligent Torch Control

Thanks to Intelligent Torch Control (ITC), Lorch's smart torch control system, the machines included in the T series are capable of detecting whether the inserted torch is a standard torch or one of Lorch's latest-generation torches. This system offers an extensive range of protective features and affords the welder a significant amount of added convenience.

#### Interval-spot function

Lorch's interval-spot function reduces distortion during thin sheet metal welding.

#### Low energy consumption

The included on-demand function automatically turns the components of your Lorch T-Pro 300 on and off as needed, while the thermal control sensors monitor the temperature of your system and regulate the speed of the fan accordingly. This smart technology reduces fan noise and dust levels in the machine compartment and helps conserve energy.

#### Non-contacting HF ignition

The TIG arc is ignited without direct contact by high-voltage pulses. Ignition is triggered with the press of a button to ensure that the tungsten electrode does not come into contact with the workpiece. Putting an end to welds with tungsten inclusions, this technology reduces the strain on the electrode. When working in HF-sensitive environments or on tools, the operator has the additional option of switching to ContacTIG (contact ignition).

## Controlconcept

#### ControlPro

- "3 steps to weld" operating concept
- Digital volt-ampere display
- Remote control connection
- TipTronic





### **Technical Data: T-Pro series**

welding range (in Amps)  5-250  5-300  5-300    current setting  infinitely variable  infinitely variable  infinitely variable    Electrode    1,5-5,0  1,5-5,0  1,5-5,0    Duty cycle TIG DC   230  230  230    duty cycle TIG DC   60%  45%  270  270    duty cycle TIG DC   60%  45%  45%  45%    Duty cycle TIG AC (only AC systems)   45%  45%  45%    Duty cycle TIG AC (only AC systems)   200  200  200  200    duty cycle TIG AC (only AC systems)   30%		T-Pro 250	T-Pro 300	<b>TF-Pro 300</b>
infinitely variable  infinitely variable  infinitely variable    Electrode	TIG			
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