SHORT-INFO

# a-LTG / i-LTG 900

**Gas-cooled TIG torch.**

- Gas-cooled
- Up to 110 A
- Assorted operating variants
- Ergonomic handle recess, size 1
- Ball joint
- Leather hose package

## At a glance

**Ergonomic handle recess, size 1**
Offering an optimised centre of gravity, the oval handle recess moulds perfectly to your hand, affording you much improved handling of your TIG torch. The contoured design of its sides prevents the torch from shifting and eliminates fatigue while you are welding as this special design provides for comfortable handling.

**Flexibility**
The ball joint found at the handle and the resilient leather flex hose package guarantee superior freedom of movement and ease of use.

**Stability**
The decreased distance between the controls of the torch, which optimises the torch's centre of gravity, allows the operator to control the torch in a safe and reliable manner and to keep the arc steady while guiding along the torch.

**Safety**
The elevated secondary current button reliably prevents any inadvertent operation of the UpDown button.

**Versatile**
The hose package included with the TIG torch is available as a 4m and an 8m option.

# Benefits

**Ergonomics**

The unique design of the torch made it possible to reduce the distance between control button and arc. The resulting optimisation of the torch's centre of gravity and the reduced lever forces provide for significantly improved handling. What is more, the elevated secondary current is sure to avoid any unintended adjustments of the welding current and other parameters.

**HeatProtect**

A heat sensor built into Lorch's i-LTG 900 provides thermal protection and safeguards the high-quality electronic control system against overheating.

**TorchProtect**

When activated in the welding machine, the optional TorchProtect automatically detects the connected Lorch i-LTG 900 and prevents the torch from being subjected to a current that exceeds the maximum. This feature protects the torch against overload.

**Equally comfortable for lefties**

A simple press and hold of the Mode button for seven seconds in the Powermaster variant of the Lorch i-LTG 900 will switch the display to a view that is appropriate for left-handed users.

**Powermaster control**

The Powermaster variant of our Lorch i-LTG 900 lets you control such essential parameters as the settings of your welding jobs directly at the torch.

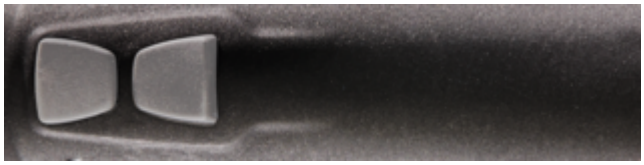
**Tiptronic**

Using the Tiptronic facility, you simply save the ideal setting for each weld in the required sequence. The job memory makes it quick and easy to load up to 100 work values one after the other when you need them.

# Controlconcept

**Double push button**

- Two ergonomically shaped push buttons
- Button 1 is used to switch the current on and off
- Button 2 lets you activate the secondary current



**UpDown**

- Two ergonomically shaped push buttons
- Button 1 is used to switch the current on and off
- Button 2 lets you activate the secondary current
- Now including remote power source control

**Powermaster**


- Two ergonomically shaped push buttons
- Button 1 is used to switch the current on and off
- Button 2 lets you activate the secondary current
- Now including remote power source control
- With integrated digital display of the welding current
- Including toggle feature for left and right-handed operators
- Mode button for toggling between amperage control and Tiptronic job mode
- Option to freely select two additional Features

# Technical Data: TIG torches, gas-cooled

| | a-LTG / i-LTG 1700 | a-LTG / i-LTG 2600 | a-LTG / i-LTG 2800 | a-LTG / i-LTG 900 |
|---|---|---|---|---|
| Type of torch | | | | |
| type of cooling | gas-cooled | gas-cooled | gas-cooled | gas-cooled |
| TIG | | | | |
| Load DC (in A) | 140 | 180 | 300 | 110 |
| Load AC (in A) | 100 | 130 | 250 | 80 |
| Duty cycle | | | | |
| Duty cycle (in %) | 35% | 35% | 35% | 35% |
| Field of application | | | | |
| installable electrodes (in mm) | 1,0-2,4 | 1,0-4,0 | 1,0-4,0 | 1,0-1,6 |
| Torch equipment | | | | |
| Standard equipment for electrode: | 1,6 | 2,4 | 3,2 | 1,6 |
| Handle recess | 1 | 2 | 2 | 1 |
| Torch connection | 5-pole Tuchel / jack plug | 5-pole Tuchel | 5-pole Tuchel | 5-pole Tuchel / jack plug |
| Standards and approvals | | | | |
| standard | EN 60974-07 | EN 60974-07 | EN 60974-07 | EN 60974-07 |