

Warning

- Please read the instructions carefully before using the tool.
- Always follow the instructions when using the tool.
- This tool is intended for a specific purpose only.



BATTERY HYDRAULIC TOOLS

Instruction Manual



CTW150ELEK

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■ Technical data

Crimping force	120KN
Crimping stroke	42mm
Crimping times	120times(Cu150mm ²)
Crimping cycle	6-18s
Battery	18V/4.0Ah
Weight	6.4kg
Charging time	1.5hours
Packing	Plastic case

Parameters:

Crimping dies	16,25,35,50,70,95mm ²
Battery	2pcs
Charger cylinder	1pc
Seal ring relief	1set
Valve ring	1set

■ Description of each part



Item	Description	Function
1	Limit switch	Limit pressing die function
2	Die	Crimping copper and aluminum terminals and connecting tubes
3	Limit 350°	Limit prevents clamp head from spinning out
4	Clamp head	Crimping clamp head
5	LED indicator	Lighting function
6	Start switch	Lighting function
7	Battery removal button	Press to remove or insert the battery freely
8	18V lithium battery	Power supply
9	Manual reset button	Manual pressure relief in case of operation error



■ Description of the main functions of the tool



The hydraulic equipment includes an automatic reset device that can reset the piston when the piston reaches a greater output force.



The manual reset device can manually reset the piston when the operation is wrong.



The head can be rotated 350° to adapt to the angle of operation and to operate in difficult environments.



When an error occurs, an alarm sounds and the indicator light is on.



One-button control, only one button, more convenient to hold than two buttons.



Lithium battery has no memory effect and no automatic discharge. It can be used at any time if not used for a long time. In addition, compared with nickel-hydrocarbon batteries, the storage capacity is 50% higher, the charging is fast and the time is short.



The temperature sensor makes the tool automatically stop working when the working temperature reaches 60°C for a long time, and an error sound is displayed, indicating that the tool can no longer work until the temperature drops to normal.

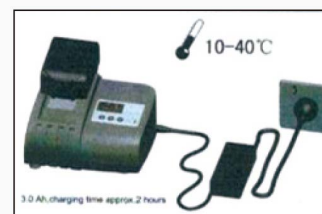
FUNCTION DESCRIPTION	LED LIGHT SHOWS RED	LED LIGHT SHOWS WHITE	BEEP
Battery	First indicate for one second, then flash for two seconds and go out	X	X
Push the trigger (motor work)	X	Bright	X
Release the trigger (the motor stops working)	X	Turns off after 20 seconds of continuous light	X
Push the trigger again within 20S after releasing the trigger	X	Bright	X
Low battery (motor does not work)	Flash for three seconds	X	Sound 3 times at the same time
Low battery (motor working)	3 seconds on	X	3 beeps

■ Operation guide

Please check carefully before operation to ensure that the tool is intact. Put the battery into the charger and connect the plug to the socket. Make sure the room temperature is between 10°C–40°C, and the charging time is about 1.5 hours. As shown on the right:



1.



2.

■ Tool use

- First, you must check whether the LED indicator is on. If the indicator light is on for more than 5 seconds, it means that the battery is out of power, and a fully charged battery loading tool should be replaced.
- Choose the right mold according to your needs.



Note: The crimping can be stopped at any time by releasing the trigger.

■ Operating procedures



Deep pressing this key can be reset



Lithium battery has no memory and no automatic discharge, so it can be taken out at any time by pressing this key

- It is not allowed to hit any part of the tool, otherwise it will cause injury.
- Do not operate when the mold is not placed, otherwise it will damage the tool and may cause injury.
- The built-in safety valve of the tool has undergone strict pressure test before shipment. Non-professionals should not adjust it. If the pressure is not enough, please send it back to the service center. It can be reused after inspection and testing by trained personnel.

 **Danger:** Do not put your fingers on the head of the tool during operation to prevent injuries.

The standard die size: 16, 25, 35, 50, 70, 95mm²



If you need a special size or shape, please contact the dealer or manufacturer to customize it according to detailed requirements.

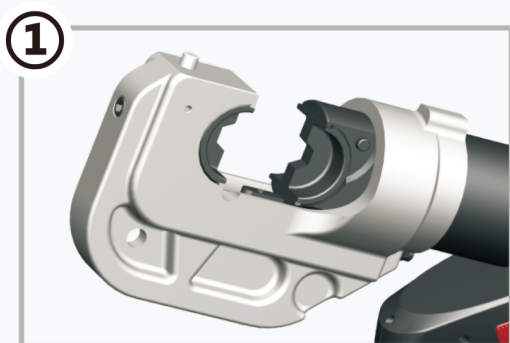


■ Maintenance knowledge

Electric hydraulic pliers should be maintained frequently. Don't just use it and forget the importance of maintenance. Usually, clean the surface of the tool and the dust in the gap.

Regular maintenance

Extend your life



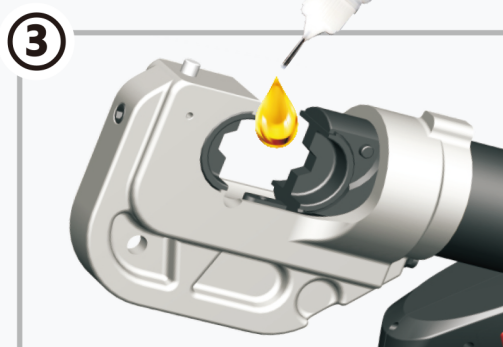
Do not start crimping without a crimping die to avoid damage to the clamp head.



Avoid unnecessary air pressure and no-load operation as far as possible, which will affect the learning and memory ability of the intelligent circuit motherboard.



Check the battery every 30 days and charge to saturation state to avoid long-term power loss damage to the battery.



The piston is provided with a guide groove and the piston is rubbed with appropriate lubricating oil.



The pressing mould should be cleaned in time and coated with anti-rust oil. Avoid mold rust can not be pressed.



■ Work Area Secure

- Keep the work area clean and bright, confusion or lack of light may cause accidents.
- Tools are non-insulated and should not be used on live conductors.
- Do not use or store tools around high temperatures or corrosive liquids. Note the aging of the Seal Assembly.
- Keep children away from bystanders when operating hydraulic tools. Distractions at work can cause tools to get out of control.

■ Personal Safety

- Maintain a high degree of vigilance when operating tools, fully grasp the situation, and perform operations with normal judgment. Do not use tools when you are tired or after taking medication or drinking alcohol. A momentary negligence may cause a series of personal injuries.
- Use safety equipment. Always be equipped with masks, helmets, safety helmets, insulated shoes, etc. to reduce the risk of personal injury.
- Dress appropriately. Do not wear loose clothing or wear jewelry. Keep hair, clothing corners and gloves away from rotating parts. Loose corners of clothing, jewelry, or long hair may be twisted into rotating parts.
- Maintenance of power tools. Check the alignment and connection of the rotating parts, whether there are any abnormalities in each part, and other conditions that are sufficient to cause adverse effects on the work. If it is damaged, it must be repaired before it can be used. Many accidents are caused by poor maintenance of power tools.
- Please use the tools correctly. Using tools according to the designed power can be used better and more safely.
- Do not put your fingers on the tool head during operation to prevent serious injuries.

■ Electricity Safety

- Make sure that the plug fits the socket and do not modify the plug in any way.
- Do not place the tool and charger in the rain or humid environment. Water entering the tool power system may cause electric shock.
- Do not use wire-pull tools, or pull the wire to unplug the plug. Damaged or twisted wires may cause electric shock.
- If the charger is severely impacted, dropped or otherwise damaged, please do not attempt to repair it by yourself, and return it to an authorized service center as soon as possible. These damages to the charger may cause electric shock.
- The best charging temperature is 10°C–40°C. Make sure not to cover the air holes and the charger when charging.
- In case of bad weather, please unplug it.
- Don't put in fire or short circuit, it may cause explosion.
- Store tools out of reach of children and other people who are not familiar with tools when not in use.



PREVENT OVERLOAD

PREVENT DEEP DISCHARGE

PREVENT OVERHEATING

Tips

The newly purchased battery has only a partial charge. If you use it for a long time, you need to charge it before using it. When charging, plug in the battery before plugging in the power source.



■ Maintenance and service

1. The tool is designed accurately, please use it correctly. Non-professionals do not disassemble, otherwise we will not be responsible for the problems caused. We can only provide repairs when the user is willing to bear the repair costs.
2. Keep tools dry. Water may corrode surfaces, metal or electrical parts. In case of contact with water, remove the battery and assemble after it is completely dry.
3. Avoid severe temperature fluctuations. Otherwise it will cause deformation of the plastic casing, shorten the life span, and damage the battery.
4. Please do not use any chemical reagents to clean tools.
5. In order to prolong the service life, please change the hydraulic oil every year.
6. If the tool is not used for a long time, make sure that the piston is in the starting position, clean the tool and apply anti-rust oil. Store in a box in a dry environment.
7. The sealing components inside the tool will be worn out after use. If there is a lot of oil leakage, please contact the dealer to replace the sealing components in time.



■ Please read the following carefully

The parts list and assembly drawings provided by the manufacturer and/or distributor in this manual are for reference only. The buyer is qualified to repair the product or replace any parts of the product, but the manufacturer and distributor do not make any representations or guarantees to the buyer. In fact, the manufacturer and/or distributor clearly stipulates that all repairs and parts replacement should be performed by authorized technicians, not by the buyer. The buyer assumes all risks and responsibilities caused by his or her repair or replacement of parts.

■ One year warranty

The warranty period for non-human damage to the host is one year, and the warranty period for lithium batteries is one month.

We make every effort to ensure that the products meet high quality and durability standards, and to ensure that the original purchaser has no defects in materials and workmanship within one year from the date of purchase. This warranty does not apply to damage, misuse, abuse, negligence or accident, repair or alteration of our facilities, normal wear and tear, cracks or lack of maintenance caused directly or indirectly. We are not responsible for any deaths and property damages, accidents, special or related damages caused by the use of our products. Some special circumstances such as accidents or indirect damage are excluded.