

Instruction Manual



Model: TWS05

Thermal Wire Stripper

Thank you for purchasing this unit. It is designed for wire stripping. Please read this manual before operating the unit. Store this manual in a safe, easily accessible place for future reference.

Table of Contents

Safety Instructions.....	1.
Features.....	1.
Specifications.....	2.
Scope of Supply.....	2.
Description.....	2.
Power Unit.....	2
Handpiece.....	3
Stripping blades.....	3
Installation & Operation.....	3.
Precaution and Maximum Operating Parameters.....	4.
Troubleshooting.....	4.

Safety Instruction:

- Please use the unit only as the described manner, and avoid abusing it.
- The unit shall only be used with rated voltage and frequency.
- The unit is equipped with a 3-wires grounding plug and must be plugged into a 3-terminal grounded socket.
- Do not modify plug or use an ungrounded power socket. If an extension cord is necessary, use only a 3-wire extended grounding cord.
- When the power is on, do not touch the metal part because the temperature of the blade will be very high, which may be hurt you.
- Don't use or disconnect it with wet hands.
- Advise users in the working area to turn the power off when in a break or after using the unit because the unit can reach a very high temperature and may cause potentially dangerous.
- Don't replace any parts or install the blades before turning the power off and cooling down the handpiece to room temperature.
- Do not use the unit near the flammable items.
- The process will produce smoke, so make sure the area is well ventilated.
- Do not use the unit if it is damaged, especially the power supply cord and the case.
- Do not modify the unit by oneself.
- Replace only with genuine parts.
- Children do not recognize the risks of the electrical appliance. Therefore use and keep the unit out of the reach from children.

Features:

- Useful to strip the toughest PTFE (Teflon) Insulation on wires with ease
- Low Voltage Operation From An Isolated Transformer
- Very Light Weight And Compact Handset
- Notched replaceable blades for perfect grip on wires, flat blades also available
- Temperature Regulation Facility
- Latest In-built mechanism, restricts heat transfer to handset as well as the cable

Specifications:

- Front Panel temperature adjustment for high and low melt insulations
- Handpiece Cable : 1 meter long
- Input Power: 230VAC, 50 Hz
- Output: 1.5V on each blade
- Blade heat-up time: <2 seconds
- Stripping Length adjustable from 2.0 mm to 15 mm with integrated stop mechanism
- Single universal stripping blade is suitable for various wire AWG14 ~ AWG36
- Weight: 1.5 kg approx.
- Low Running Cost

Scope of Supply:

- Power & Control unit
- Stripping Handle
- Stripping blade
- Stand for handpiece fitted to the main unit
- Instructional manual

Description:

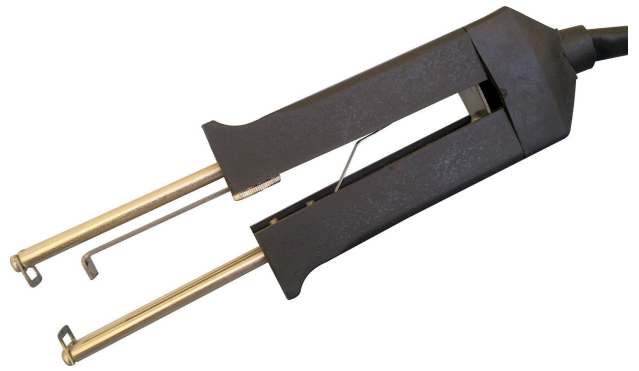
Power Unit :



Power Unit : Power Unit has a low-voltage, high ampere, variable output. There is control knob for adjusting Output voltage which leads to adjusting Heating of Handpiece.

Handpiece:

Handpiece: The Wirestripper Handpiece is supplied with the control unit to create heat. For stripping insulation from wire, by melting through the outer jacket of the Striped wire. It has a 1 meter long cable that connects to the Power Unit and for operator comfort it has padded handles.



Stripping Blades:

- Different type of stripping blades are available. Few are listed below:
 - Straight type
 - V-notch type



Installation & Operation:

- **CAUTION:** Before setting, please check whether the voltage is in accordance to the rated voltage on the unit's nameplate.
- Adjust the stopper to the desired length of wire to be insulated
- Insert a wire between the blades and press handpiece gently to get red hot blades
- Rotate red hot blades over insulation.
- While the blades are stripping the insulation, rotate 1/2 turn while continuing to apply the heat. This ensures complete cut.
- Once full cut is achieved release the blades
- Pull insulation out with a plier. (Do not use the handpiece for pulling insulation)
- Heating can be controlled with control knob



Precaution and Maximum Operating Parameters

1) The system has a 50% duty-cycle. In case the power unit is being operated at levels above 50% of their total available output power, then the heating and cooling time must be regulated in equal measure. Please ensure that the cooling time \geq heating time. For example if it takes 12 seconds to strip you must ensure 12 seconds of cooling time. In general this issue is applicable for applications that demand higher power – like thicker cables. Also check the handpiece cables for excessive heat buildup during the process. If too much heat is building up then make the cooling cycle longer

2) Do not operate power units for longer than 20 seconds on any setting.

Failure to take care of above will result in damage and warranty will not be applicable in this case

Trouble shooting:

When you are facing any problem. Please do below troubleshooting.

- Check your supply voltage(AC220VAC) is available.
- Check the circuit breaker of the Control Unit, if required reset it.
- Check whether the Handpiece and Power Unit is connected properly.
- Alignment of both the blades is proper.