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EZP-01

Easy Probe Tweezer

Patent Pending



User Guide

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Introduction

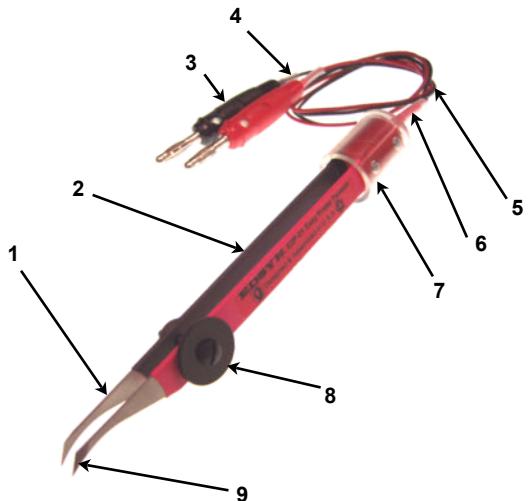
Congratulations on your ownership of the Easy Probe Tweezer. Edsyn has taken the features of a test probe and tweezer and created a solution that developed into a multi-mode of features. Some of the many methods and benefits of this tools will be shown in the following pages but you will most likely discover your own. If you have used other multi-purpose tools like pliers and knives, you will appreciate this tool. Let us know your thoughts and suggestions so we can provide the products to help take you to the next level of expertweez.

Precautions

- Follow instructions of equipment being used with this probe tweezers.
- Improper use of this probe tweezers can cause damage, shock, injury or death. Read this and other product instructions used in conjunction with this tool before using. A good working knowledge of electricity and electronics is recommended for safety.
- Extreme care is required when measuring voltages and devices that still may hold a charge. Use this device with a maximum voltage of 30 VAC and 60 VDC.
- Before each use, inspect the insulation of the whole tool (e.g. wire insulation) for cuts, breaks. If found repair or replace defective part.
- Care of the tip is necessary to have a precise and nice edge for use and to prevent injury. Use protective cap when tool is not in use.

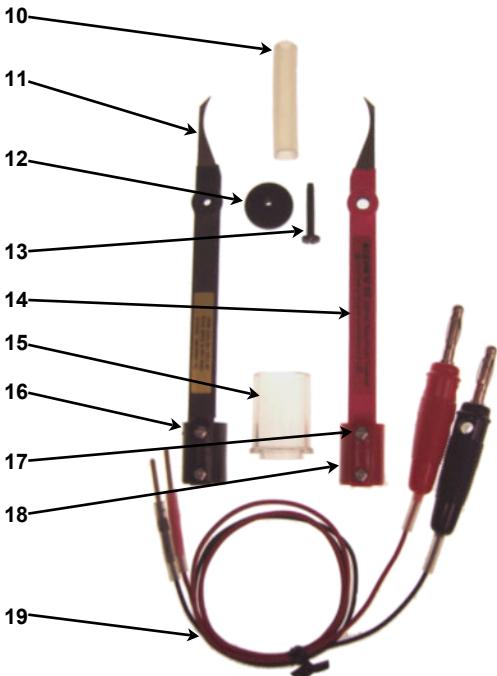
Features

1. 301 stainless steel.
2. Color coded insulation.
3. Side stacking banana jacks.
4. Flexible boot to reduce wire strand fatigue.
5. Lightweight 24 gauge stranded wire.
6. Flexible boot and pin grip.
7. Clear retaining cap.
8. Configurable spacing adjuster.
9. Surface ground dual pickup points.



Replacement Parts

10. SR932 Tip protector.
11. SR933 Black tweezer blade.
(Screws (17) and mounting block (16) not included)
12. SR934 Spacing wheel.
13. SR935 Black plastic screw.
14. SR936 Red tweezer blade.
(Screws (17) and mounting block (18) not included)
15. SR937 Clear retaining cap.
16. SR938 Black mounting block with cover plate.
17. SR939 Self tapping screw.
18. SR940 Red mounting block with cover plate.
19. Test leads purchased individually.
(Specify SR941 for red or SR942 for black)



Instructions

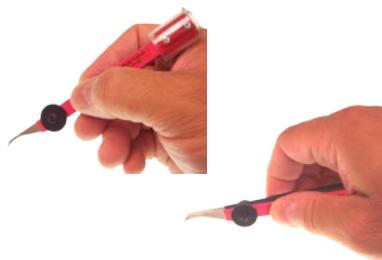
Removing & Installing the Tip Protector

1. Remove the tip protector (10) by grabbing the tweezer blades and the end of the protector then pull off in a slightly downward position.
2. Install the tip protector (10) from a slightly downward position and push upward towards the spacing adjuster (8).



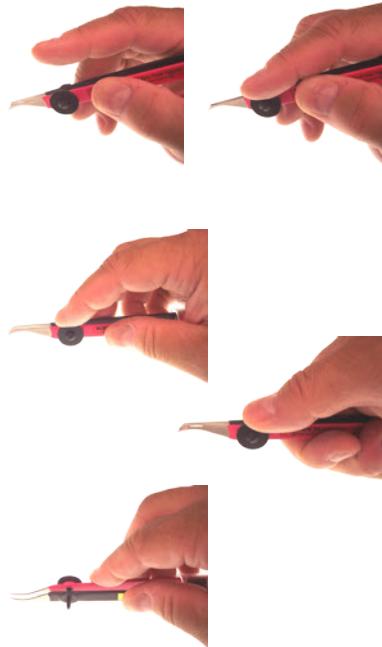
Holding Positions

1. Pencil Grip - This method of holding the tweezer is used when positioning the tip to the surface from approximately 35 to 90 degrees.
2. Overhand Grip - This method of holding the tweezer is used when positioning the tip to the surface from approximately 35 degrees or less.



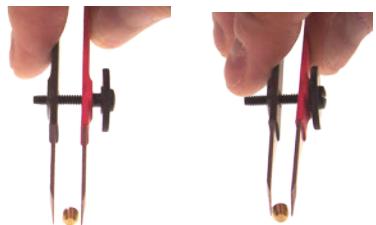
Spacing Adjustment Methods

1. When holding the tweezer like a pencil, rest the black blade on the side of the middle finger while reaching over with the forefinger to rotate the spacing adjuster (8).
2. When holding the tweezer overhanded there are a few ways to rotate the spacing adjuster (8).
 - Finger - Holding the tweezer with the thumb and the middle finger, use your forefinger to rotate the spacing adjuster (8).
 - Thumb - Gripping the tweezer in your hand, make adjustments with your thumb.
 - Surface - Run the wheel (12) on a surface, with the tip pointing away from the surface, pushing forward to close and pulling backwards to open.



Spacing Adjustment Gap

1. Rotate the spacing adjuster (8) leaving a small gap.
2. Squeeze tweezer to pickup component.
(This allows for better accuracy and reduces squeeze travel and fatigue)



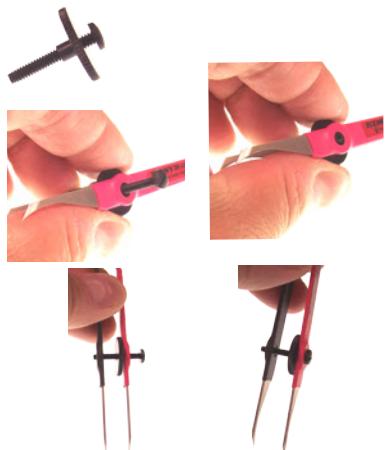
Deactivating the Spacing Adjuster

1. Unscrew the spacing adjuster (8) for normal tweezer operation.
2. Store in a safe place for later usage.



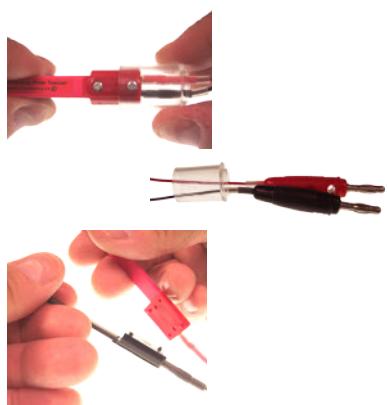
Fixed Spacing

1. Remove spacing adjuster (8), as shown above.
2. Unscrew the plastic screw (13) from the wheel (12) of the spacing adjuster (8).
3. Insert the wheel's (12) shoulder from between the blades into the red blade's (14) hole and hold in place.
4. Rotate screw (13) from outside the red blade (14) into the wheel (12) to the other side to the black blade (11).
5. Tighten the screw (13) to bind against the wheel's (12) shoulder so it does not become loose when making adjustments.
6. Now it is ready to use.



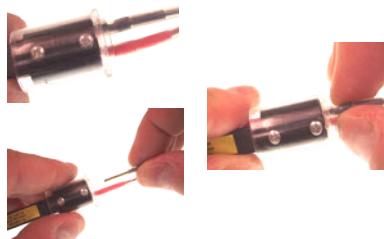
Independent Probes

1. Remove spacing adjuster (8), as shown on top.
2. Slide off clear retainer cap (15) towards the end of the banana jacks (3).
3. Separate the tweezer blades. It is now ready to be used independently.
4. To reassemble, reverse the process.



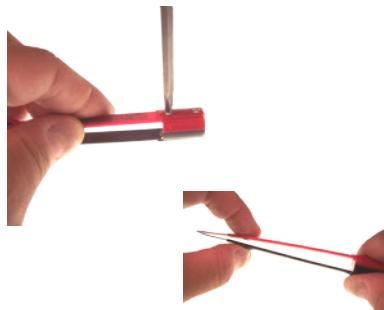
Removing Test Leads

1. Pinch the pin grip (slight bump) (6) and pull out. Repeat other side.
2. Store test leads (19) in a safe place for later usage.
3. To reassemble, reverse the process.



Tweezer Blade Adjustment

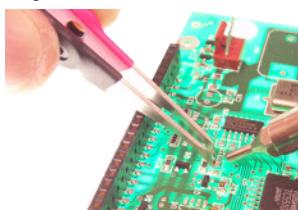
1. Remove clear retainer cap (15).
2. Loosen 2 screws (17) on one side so there is some resistance to movement. (If necessary do the other side)
3. Adjust blade by moving and checking alignment by pinching the tweezers together while holding the red (18) and black (16) mounts.
4. Tighten screws (17) and recheck alignment. install the clear retainer cap (15).
5. Install the clear retaining cap (15).



Other Suggested Uses

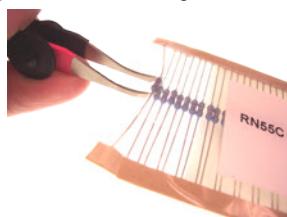
In & Out of Circuit Readings

There may be a need to measure a drop across the component and check the value outside the circuit. You can do this without letting go and using hot air.



Part Inspection Inside Packaging

To verify the values of components you can pierce through the packaging to get a reading without having to break open the packaging. Some component colors change the actual band color.



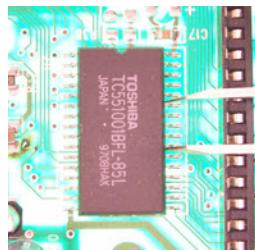
Clamping on Component Lead

You can clamp on a lead to measure without holding it in place allowing you to concentrate on another area.



Clamping Across Component Leads

Clamp across other pins for a hands free monitoring of a circuit.



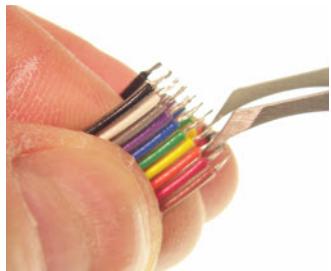
Holding Parts From Inside

The ability to hold a part from the inside allows for getting full coverage of the outside surface thereby keeping hands clean.



Checking Ribbon Cable

Here is a way to ring out a ribbon cable to verify it is free from breaks before installing it into an assembly.



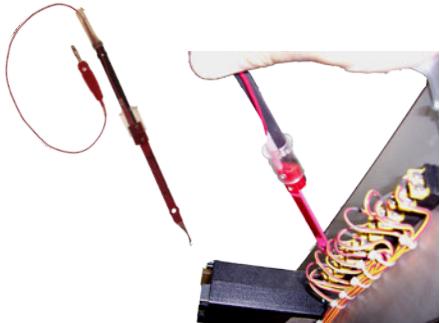
Sorting

Set the wheel so it will grab only one size, either outside or inside the part.



Probe Extension

Deep areas to probe can be accomplished by configuring it as one probe.



Scissor Configuration

Putting the red blade on top of the black blade, with tip pointing toward each other, and securing it with the spacing adjuster creating a probe with scissor motion. Excellent for large spans.



Spreader Configuration

By loosening the spacing adjuster, so the blades are very loose, make the tips point away from each other and re tighten. The probes can now check inside contacts.



Warranty

Edsyn stands behind its products. We warrant that new tools will be free from defects for 90-days from the date of purchase. During this time period Edsyn will repair or, at its option, replace the tool at no charge. This warranty does not include tips and accessories. Any tool that appears to have been deliberately abused, altered, or destroyed is not covered by this warranty.

Technical Support

Contact our Customer Service for assistance related to the purchase of this product or recommendations on a challenge that you may encounter. There are many replacement parts that are available to keep your tool in top condition. To speak to someone in Customer Service, call 818-989-2324.

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