



www.jbctools.com

INSTRUCTION MANUAL



TCP

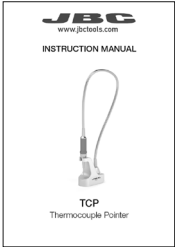
Thermocouple Pointer

This manual corresponds to the following reference:

- TCP-A

Packing List

The following items are included:

		Box includes:	
Metal Box	1 unit		
		Thermocouple Pointer	
Anchor	1 unit	Manual	
Ref. 0036001		Ref. 0035848	
Comes with M4 x 10 mm screw DIN 7991			
		TCP Thermocouple Pointer	
Thermocouple Extension Wire for TCP	1 unit		
Ref. 0036000			
Length: 50 cm			

Features

TCP Thermocouple Pointer is designed to monitor the surface temperature of the PCB or its components with high precision positioning. It works on any type of material and can measure temperatures up to 300 °C / 572 °F with an accuracy of ± 10 °C / 50 °F. Its design allows for quick and accurate placement on high-density printed circuit boards, reducing setup time, even at high temperatures.

TCP features a K-type signal output. The monitoring device to which it is connected must have a K-type compatible connector. For compatibility information with JBC devices, visit the product's page at www.jbctools.com. For more information on compatibility with external devices, contact JBC Technical Support.

The sensor is completely isolated (electrically) from the outer parts of the product.

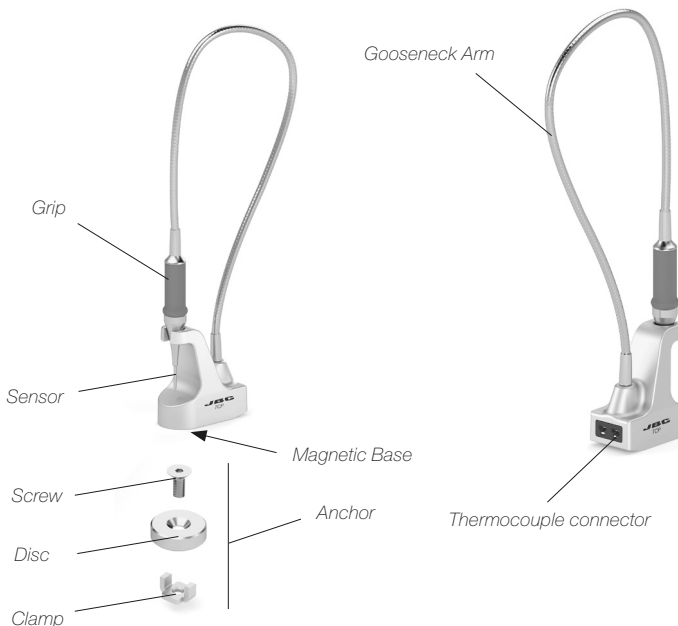
TCP is ESD safe with no extra connections, as long as it sits on any kind of ESD safe surface, e.g. JBC ESD safe table mats, a ground-wired metal surface, etc.

It is also possible to ground the product from any of its metal surfaces.

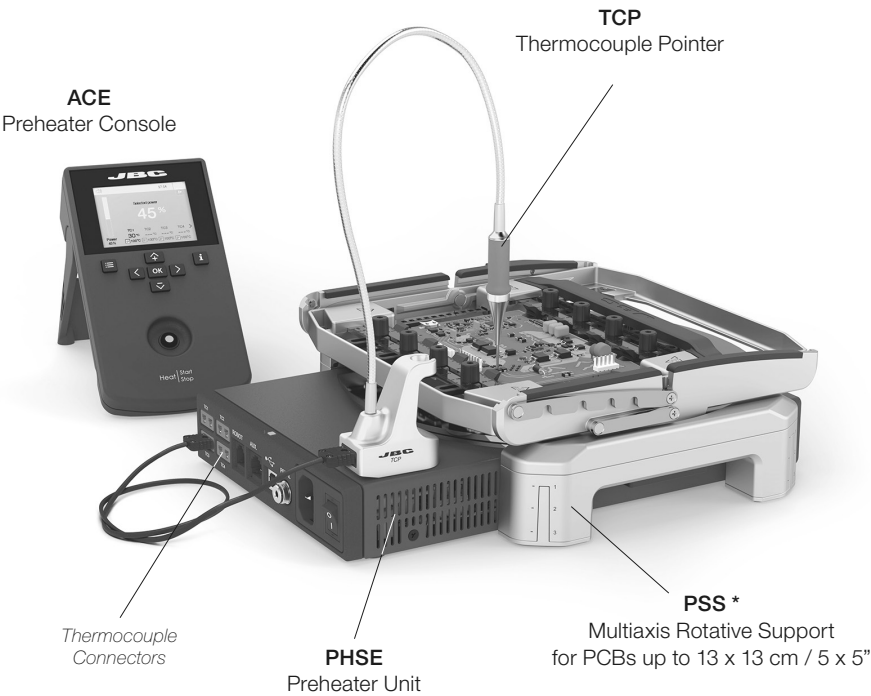


TCP is not intended for use in fluids such as flux or molten tin, nor is it designed for measurement of hot air.

When connecting TCP to a monitoring device (K-type compatible connector required), always use the thermocouple extension wire supplied with this product.



Workplace Example



** TCP also works with other JBC preheater supports and preheater sets.*

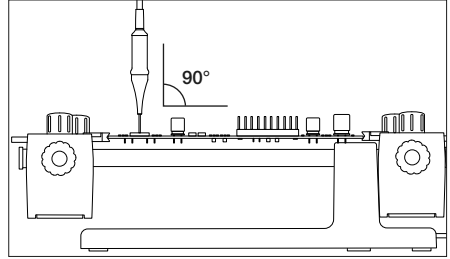
How To Use

1. Connect the thermocouple pointer to a monitoring device (K-type compatible connector required) using the supplied thermocouple extension wire.
2. Thanks to its magnetic base, TCP can be placed and stabilized onto magnetic surfaces. If there is no magnetic surface available, see the “Anchor Assembly” section.

⚠ Avoid placing the base of TCP in direct contact with a heat source.

3. Take the pointer from its base and place it completely vertical on the exact spot you want to measure.

⚠ The temperature measurement can be affected by air currents. Keep this in mind when using hot air tools (JTT or NH) or fume extractors (FAE1, FAE2).

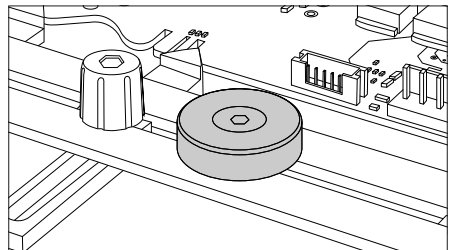
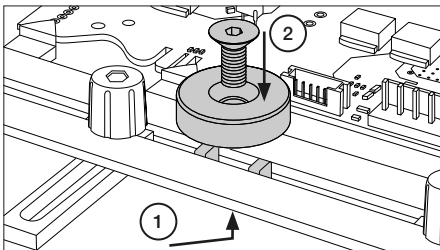


Anchor Assembly

If there is no magnetic surface available to place the base onto, the supplied anchor (magnetic) can be placed on a JBC support, allowing TCP to be fixed onto it. After its use, the base can be more easily separated from the anchor/magnetic surface by tilting it apart.

To assemble the magnetic anchor onto the guides of the support:

1. Unscrew the anchor using a 2.5 Allen key (DIN911).
2. Fit the clamp of the anchor into one of the guides on the support from below (1).
3. Position the disc on the guide, aligning its center with that of the lower piece.
4. Fix the anchor by screwing the two pieces together from the top (2).
5. Place the base of the thermocouple pointer on the anchor.



Maintenance

- Before carrying out maintenance or storage, always allow the equipment to cool down.
- Check periodically that the sensor is clean.
- Use a damp cloth when cleaning. Alcohol can only be used to clean the metal parts.
- Replace any defective or damaged parts. Use original JBC spare parts only.
- Repairs should only be performed by a JBC authorized technical service.

Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Specifications

TCP

Thermocouple Pointer

Ref.: TCP-A

- | | |
|---|---|
| - Output: | Type K |
| - Measurable Temperature Range: | 25-300 °C / 77-572 °F |
| - Total Net Weight: | 430 g / 0.95 lb |
| - Package Dimensions / Weight:
(L x W x H) | 280 x 280 x 164 mm / 730 g
11.02 x 11.02 x 6.46 in / 1.61 lb |

Complies with CE standards.
ESD safe.

JBC

Warranty

JBC's 2 year warranty covers this equipment against all manufacturing defects, including the replacement of defective parts and labor.

Warranty does not cover product wear or misuse.

In order for the warranty to be valid, equipment must be returned, postage paid, to the dealer where it was purchased.



This product should not be thrown in the garbage.

In accordance with the European directive 2012/19/EU, electronic equipment at the end of its life must be collected and returned to an authorized recycling facility.

