

Carefully read the user manual before operating the unit.

- Use the correct fused leads supplied with the unit.
- Ensure that systems that the unit is to be connected to are dead.
- Only suitably qualified personnel should use this equipment. Servicing of this product should only be carried out by suitably qualified service personnel.

Environment

The TPT9000 is designed for use in industrial and electrical substation environments.

Category Rating: CATIII

Maximum altitude: 2000m

Temperature: 0°C to 45°C operating
-20°C to 60°C storage

Relative humidity: 90% non-condensing

Protection rating: IP20

Supply Requirements:

The TPT9000 requires a single PP3 9V battery to operate. The battery level is automatically monitored, and the device will not perform a test if the battery voltage is below a useable level.



T&R Test Equipment Ltd

15-16 Woodbridge Meadows
Guildford

GU1 1BJ

Phone: 01483 207428

E-mail: sales@trtest.com

Web: www.trtest.com

Distributed by

OM0038-2 GB 04/05/2022

TPT9000

Transformer Polarity Tester

Quick Guide



www.trtest.com

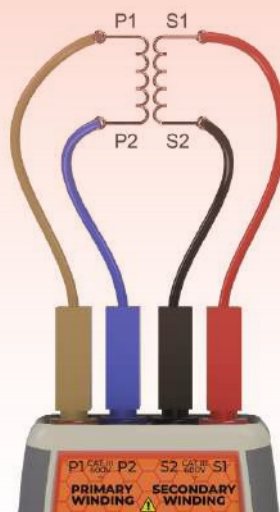
CT Testing

- Inspect the CT to be tested for polarity markings. The polarity of either the primary or the secondary needs to be known.
- Loop a test lead through the centre on the Test CT. Connect the lead to the P1 and P2 terminals of the TPT9000. Be sure to observe the polarity if known.
- Connect the S1 and S2 terminals of the TPT9000 to the secondary winding of the test CT. Be sure to observe the polarity if known.
- Press the test button on the TPT9000 observing the front panel LED indicators. The TPT9000 should indicate FORWARD or REVERSED depending on the connections.
- If the ERROR LED lights consult the manual for error message details.



Transformer Testing

- Inspect the transformer to be tested for polarity markings. The polarity of either the primary or the secondary needs to be known.
- Connect the P1 and P2 terminals of the TPT9000 to the Primary winding of the test transformer. Be sure to observe the polarity if known.
- Connect the S1 and S2 terminals of the TPT9000 to the secondary winding of the test CT. Be sure to observe the polarity if known.
- Press the test button on the TPT9000 observing the front panel LED indicators. The TPT9000 should indicate FORWARD or REVERSED depending on the connections.
- If the ERROR LED lights consult the manual for error message details.



Proving Unit

To test the operation of the TPT9000 in the field the unit comes supplied with a proving unit.

The proving unit plugs into the top of the TPT9000. The switch on the front of the proving unit can be set to simulate and test forward and reversed transformer connections.

- Slide the switch left to simulate a REVERSE connected transformer.
- Slide the switch right to simulate a FORWARD connected transformer.



Proving Unit