

- Application Note -

How to Select TRT Model

All TRT devices have the same design and AVGD (automatic vector group detection). The only difference between TRT models refers to different test voltages. In the table below you can easily realize which model has which test voltages.

| Model | Automatic Vector Group Detection | Single-phase generation | True three-phase generation | 1 V AC recommended for CT verification | 250 V test voltage | Test voltages |
|---------------|---|--------------------------------|------------------------------------|---|---------------------------|------------------------|
| TRT03A | ✓ | ✓ | | | | (8,40,100) V AC |
| TRT03B | ✓ | ✓ | | | | (10,40,100) V AC |
| TRT03C | ✓ | ✓ | | | | (8,40,80) V AC |
| TRT30A | ✓ | ✓ | ✓ | | | (8,40,100) V AC |
| TRT30B | ✓ | ✓ | ✓ | | | (10,40,100) V AC |
| TRT30C | ✓ | ✓ | ✓ | | | (8,40,80) V AC |
| TRT33A | ✓ | ✓ | ✓ | ✓ | | (1,8,40,100) V AC |
| TRT33B | ✓ | ✓ | ✓ | ✓ | | (1,10,40,100) V AC |
| TRT33C | ✓ | ✓ | ✓ | ✓ | | (1,8,40,80) V AC |
| TRT63A | ✓ | ✓ | ✓ | ✓ | ✓ | (1,8,40,100,250) V AC |
| TRT63B | ✓ | ✓ | ✓ | ✓ | ✓ | (1,10,40,100,250) V AC |
| TRT63C | ✓ | ✓ | ✓ | ✓ | ✓ | (1,8,40,80,250) V AC |

How to select test voltage depends on the test object. If you are going to verify CT, 1 V test voltage is recommended. When you test power transformers, you can select any test voltage. You do not have to test power transformers with 100 V to have better accuracy of results. TRT devices have the same accuracy using 100/80 V or 40 V or 10/8 V AC. The best accuracy is provided by TRT63 series.