



## ***IRBT: generator transformer with optimized design***

The IRBT generator current transformer has been an integral part of the RITZ product portfolio for many years and offers a reliable solution for the specific requirements of generators. Extremely high currents – up to 50,000 A – place particularly high technical demands. To ensure precise measurement despite small phase-to-center distances, targeted compensating windings are used to effectively compensate for disruptive external field influences.

With our improved design, we have also succeeded in making the transformer suitable for use in ambient temperatures of up to 80°C while still reducing the height of the current transformer by approximately 15%.

The new design not only makes the transformers more compact, but also reduces their weight by 5 to 10%, depending on the configuration. These changes offer advantages in handling the transformers. A terminal box has also been added to provide customers with improved secondary connection technology. All of these adjustments allow customers to benefit from proven quality and technology with improved user-friendliness. Further information can be found in our updated data sheets.



*Illustration 1 Photo of the generator transformer*

