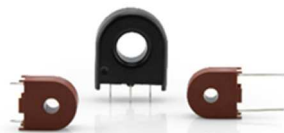


### Highly linear current monitoring

## High precision current transformers

Modern materials and innovative engineering characterize the current transformer standard series of the VACUUMSCHMELZE (VAC). For precise current monitoring in industrial production lines, server farms or substations, this series has been upgraded with a 100 A type which features ultra-linear behaviour and extremely low phase errors. It represents an attractive solution to meet the increasing demands for network monitoring and is therefore the key to reliable and uninterrupted operation.



Smart meters, together with automatic load and resource management, are part of smart grids. Very high accuracy and temperature stability characterize the 100 A current transformer. The simulated power error of the electricity meter is  $\sqrt{0.03}$  % between  $-40\dots+85$  °C. The phase error varies by approx.  $0.1$  °, the amplitude error is  $<0.035$  %. This allows fast and easy counter calibration, which reduces costs.

"The 100 A current transformer is ideal for industrial power distribution systems, e.g. for supplying servers in data centers or in factories between energy conversion units and motors or robots in the production line," says Stefan Lehmann, Product Manager at VAC. "In addition, the current transformer is cobalt-free, which preserves resources and reduces costs."

VACUUMSCHMELZE (VAC) is among the world's most highly innovative developers of magnetic materials, inductive components and other related products. With a global network of Sales and Field Application Engineers, VAC designs and manufactures tailor-made solutions for a wide variety of industries, comprising renewable energies, automotive, industrial automation installation technology, and aviation.

For more information, visit [www.vacuumschmelze.com](http://www.vacuumschmelze.com)