

## Current and powerline transformers :

### **VACUUMSCHMELZE demonstrates its readiness for the technologies of today and tomorrow at the 2012 Metering**

Press contact:

No.: 16/12

Hanau, 03 September 2012

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**Hanau / Frankfurt – VACUUMSCHMELZE GmbH & Co. KG is once again an exhibitor at Metering, Billing/CRM Europe, held at the Rai Convention Center in Amsterdam from 9 to 11 October. In Hall 1 at Stand A73, VAC will present its wide range of current transformers optimized for highly accurate and reliable metering in electronic electricity meters (smart meters) and ultra-compact powerline transformers for secure data transmission in AMM systems. In addition, the company will provide information on the latest developments in the field of high-precision current transformers for new advanced smart grid infrastructures.**

**VAC current transformers** are designed for current ranges up to 400 A. They have all the properties required by the electronic meter industry and the conditions set forth in the relevant IEC and ANSI standards, such as highly linear output and excellent DC tolerance. Smart meters and other electronic monitoring equipment employing VAC current transformers are extremely reliable, robust and accurate with exceptional dynamics, low load behaviour and long-term stability. VAC also supplies shielded current transformers designed specifically for protection against manipulation with external magnetic fields providing a highly cost-effective method of combating electricity theft.

**VAC's current transformer series'** are based on VAC's advanced metallic materials VITROVAC® (amorphous) and VITROPERM® (nanocrystalline) Our customers have the choice between extremely compact, highly linear transformers (VITROVAC®) or products focusing on cost-effectiveness (VITROPERM®). In addition to an array of standard models, VAC can also develop customized solutions on request, including fully preassembled products with connectors and/or integrated primary copper bar or complete polyphase modules.

**The VAC range of powerline transformers** was designed specifically for Advanced Metering Management (AMM) systems and is ideally suited to smart me-

tering applications via the conventional supply network system. The ultra-compact components have the outstanding transmission properties required for accurate and secure data transmission and high dielectric strength of up to 6 kVeff. The transformers are optimized for applications with PLC chipsets of leading producers of electronic semiconductors for powerline applications.

For further information please contact [info@vacuumschmelze.com](mailto:info@vacuumschmelze.com)

### **VACUUMSCHMELZE GmbH & Co. KG**

VACUUMSCHMELZE (VAC) with 1,500 employees in Hanau, designs, produces and markets advanced materials, primarily magnetic but also with other physical properties, and related products. In 1914 the first vacuum furnace laid the foundation for today's VACUUMSCHMELZE. Industrial vacuum melting techniques for alloys have been in operation since 1923.

VAC Group today achieves annual sales of over 450 million euros in over 40 countries and is the holder of more than 750 patents, placing it among the world's most highly innovative developers of advanced industrial materials.

VAC's portfolio comprises a broad array of semi-finished products and parts with superior magnetic and physical properties, inductive components for electronics, magnets and magnetic systems for use in a wide variety of fields and industries from watch-making to medical technology, renewable energies, shipbuilding, installation, and the automotive and aviation industries. VAC's custom solutions are developed in close collaboration with the customer, reflecting the company's expertise in materials and state-of-the-art production technology.

Find out more at [www.vacuumschmelze.com](http://www.vacuumschmelze.com)

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