

Hitec Power Protection

Special Measuring Systems (SMS)

SMS is worldwide technology leader in high precision measuring systems, based on the zero flux principle. SMS has over 25 years of experience and our systems are installed worldwide at almost every research institute. This underlines our unmatched reputation and capability of developing advanced and precise systems for measuring electrical currents for several high-demanding applications areas, like nuclear research projects, high energy physics experiments, applied scientific research, industrial calibration projects, advanced drive systems and medical applications. Innovation and creativity are the core values of our company.

The bipolar Zero-flux™ measuring systems optimise the concept of a galvanically separated system for the measurement of direct and alternating currents with exceptionally high precision. They are used for example in rectification systems supplying the currents which generate the magnetic fields for the focusing and deflection of elementary particles or for the containment of plasma. These systems require exceptional stability and reproducibility of the output current. SMS Zero-flux™ systems enable measurement and control of these critical parameters for any high-end applications.

The highest quality standards apply for production of the Zero-flux™ measuring systems,

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