

SENSITEC GMBH



CMS3000 current sensor family for highly dynamic current measurement with up to 2 MHz bandwidth.

Our Company

Sensitec GmbH was founded in 1999 in Lahnu, near to Frankfurt, in Germany. The demand for MagnetoResistive (MR) sensors for industrial and automotive applications was great and continues to increase. Sensitec was able to establish itself in this rapidly expanding market and grew continuously. Already in 2000 Sensitec was able to take over the Institute for Micro Structure Technology and Opto Electronics (IMO) in Wetzlar. This institute already had more than 10 years research and development experience in the field of magnetoresistive sensors. In 2003 Sensitec took over control of the Naomi technologies AG in Mainz and from this point on has owned Europe's most efficient and modern factory for the production of sensors based on the AMR- and GMR-technology. The range of products could be significantly widened since then.

Our Philosophy

Sensitec is a leading supplier of magnetoresistive sensor technology and magnetic microsystems. Our core capabilities lie in the design, development, production and marketing of sensor solutions for the measurement of magnetic, electrical and mechanical variables according to the requirements of customers in a wide range of different application fields. Numerous patents and licences for the production and application of MR sensors, backed by a broad spectrum of experience and knowledge in this field, provide the foundation for these capabilities.

Our Products

Sensors from Sensitec are based on the magnetoresistive (MR-) effect and are used for

- angle measurement
- length and position measurement
- current measurement
- magnetic field measurement

MR sensors offer high accuracy, high resolution, robustness, high sensitivity and high reliability. They are wear-free and easy to integrate. In close co-operation with our customers we develop and manufacture reliable and performant MR sensors in series production. The advanced and innovative solutions from Sensitec can be found in many areas such as

- industrial automation
- measurement and control equipment
- medical equipment
- automotive applications
- aerospace
- laser technology etc.

From chip design and production, to the design of customized measurement scales and the development of integrated signal processing electronics for specific applications, Sensitec is a reliable and competent system partner.



Compact and cost-effective SMD current sensor with external primary current path