

Press Information

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LEM introduces the DH split-core transducers for bipolar measurement of high DC currents

Key points:

- **Bipolar measurement of primary currents up to 2000A DC**
- **Hall-effect current sensor and signal conditioner in a single case**
- **Loop-powered 4-20mA output**
- **Large sensing aperture supporting busbars up to 104 x 40 mm**

Complementing LEM's range of products for advanced battery management applications, the new DH family of DC current transducers offers precise measurement of bipolar currents up to 2000A. Measuring only 174 x 86 x 54.1 mm, these compact split-core transducers combine Hall-effect technology and signal conditioning in a single housing with a large rectangular sensing aperture for non-contact measurement (supporting up to 104 x 40 mm busbars or \varnothing 40 mm cables).

The DH series has been designed to measure DC currents and their polarity. It offers a choice of primary current measurement ranges from 500A to 2000A and provide an absolute accuracy better than 1 percent of the nominal current value. The new transducers output the bipolar measurement value through an industry standard 4-20mA output. They feature a loop-powered circuit (adapted to 20-30 VDC power supplies) that reduces installation costs by minimizing the wiring and connections required. The DH family is an excellent choice for industrial system designers, integrators and resellers who require accurate and cost-effective DC current transducers. As with all other LEM products, the DH transducers benefit from the company's proven high-quality approach to manufacturing and are backed by a five-year guarantee.

Applications include management of UPS systems and standby batteries, DC power generation and distribution as well as monitoring DC motors and process control systems. The performance and reliability of the DH transducers have been validated in a number of beta installations where the transducers monitor charge and load currents of standby batteries in large UPS systems as well as in telecommunication base band antennas.

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LEM

LEM is a market leader in providing innovative and high quality solutions for measuring electrical parameters. Its core products – current and voltage transducers – are used in a broad range of applications in industrial, traction, energy, automation and automotive markets. LEM's strategy is to exploit the intrinsic strengths of its core business, and develop opportunities in new markets with new applications. LEM is a mid-size, global company with approximately 900 employees worldwide. It has production plants in Geneva (Switzerland), Machida (Japan), Beijing (China), plus regional sales offices, and offers a seamless service worldwide. Further information is available at: www.lem.com

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