

Press Release

July 2004

LEM introduces current transducers for measurements up to 20000A_{RMS} with signal conditioning

Key points:

- **Nominal range from 4000 to 20000Arms**
- **Same compact size for the whole range**
- **12 models with options for voltage or current output**
- **Five-year warranty**

LEM has introduced the HAZ family of current transducers for measurements from 4000A up to 20000Arms nominal, with six models housed in the same 250 x 160 x 50mm package. Each is offered with either an instantaneous $\pm 10V$ voltage output (-SB models) or with a DC true RMS 0 to 20mA current output (-SRI models). These versions incorporate signal conditioning, making them suitable for use with programmable logic controllers (PLCs).

The use of open-loop Hall effect technology allows the transducers to measure DC, AC and pulse currents and provides galvanic isolation between the primary and output circuits. Their clearance and creepage distances provide a test isolation voltage of $12kV_{RMS}/50Hz/1min$. This technology also offers low power consumption.

The HAZ series transducers conform to the EN 50178 standard, use UL94-V0 recognised materials and are CE marked according to the European Directive 89/336/EEC. They are particularly suitable for industrial applications, including high current rectifiers, uninterruptible power supplies, power supplies for welding, battery-powered applications, telecom applications and also DC switchgear in traction applications.

Additional models in the family, scheduled to be introduced later this year, will offer a range of output signal conditioning, including 4-20mA, 0-20mA or 10V signals, all available in DC true RMS, instantaneous, or average RMS value.

The HAZ transducers are covered by a five-year warranty.

LEM

LEM is a Swiss company serving markets connected with the transformation and use of electricity, particularly in the field of power electronics. It designs, develops and manufactures high-performance solutions, ranging from active components to the most complex measuring systems.

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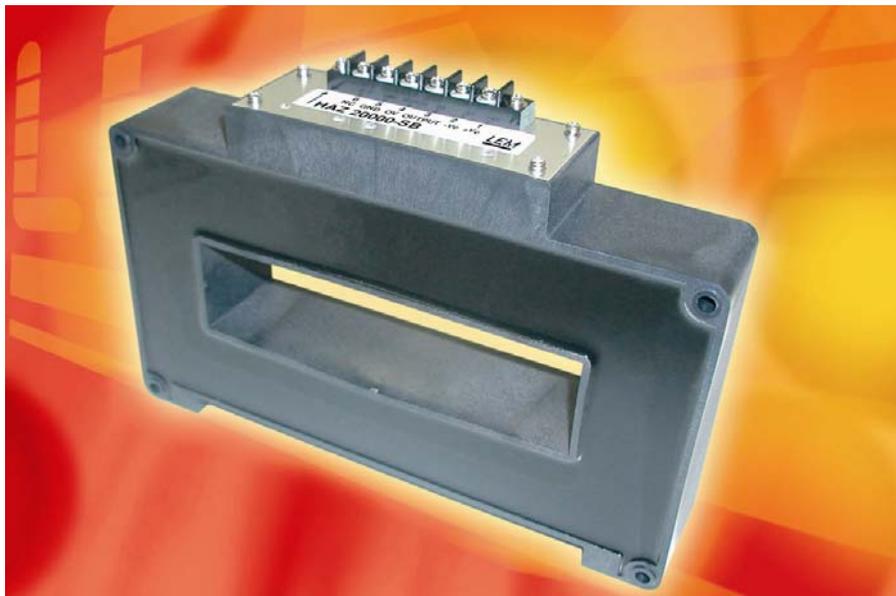


Figure: One size for all the available HAZ models from 4000 to 20000 A_{RMS} nominal.