

IN SERIES Current Transducers





LEM reinvents fluxgate technology, with its IN Family of high accuracy current transducers for nonintrusive and isolated measurement of DC, AC and pulsed nominal current from 100A to 3000 A.

LEM's patented innovations are at the heart of these transducers, performing maximum signal processing in the digital domain, and applying a new approach to the fluxgate technology architecture for the ripple cancellation of the fluxgate drive frequency. These improvements have resulted in a compact transducer that maintains its high accuracy over a wider temperature range, with reduced noise level vs the previous generation.

Key points:

- Closed-loop Fluxgate transducer measures DC, AC or pulsed current up to 3000A
- Wide operating temperature range from -40 to +85°C
- Very low offset over temperature range up to 10 ppm
- Excellent linearity over temperature range up to 3 ppm

• Low noise level & high accuracy over a wide temperature range thanks to a patented fluxgate technology

Compact size

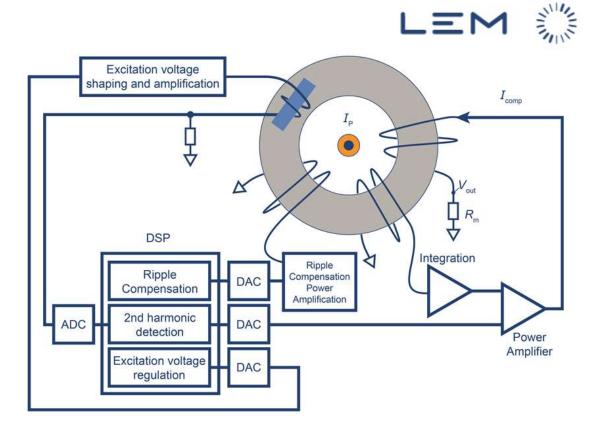
Application Domains :

• Industrial • Laboratory

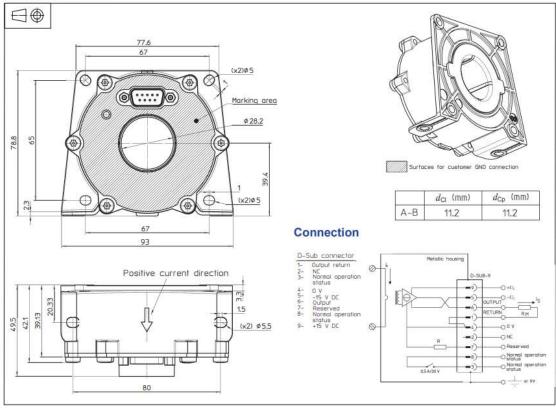
Applications :

- Feedback element in high performance gradient amplifiers for MRI
- Feedback element in high-precision, high-stability power supplies
- Calibration unit
- Energy measurement
- Medical Equipment.

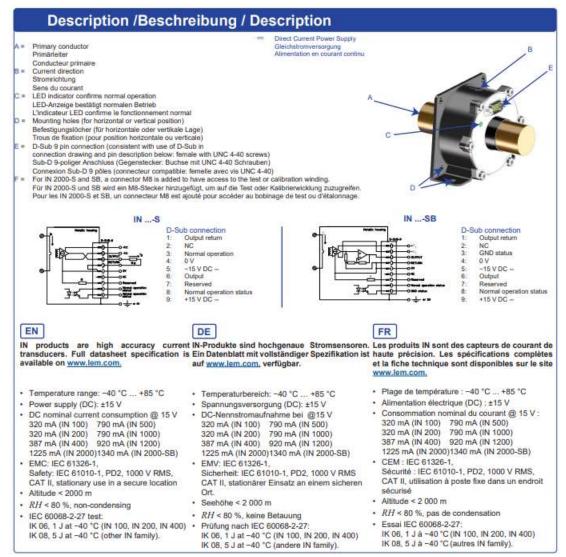
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IN Family Parts Available

LEM PART NUMBER	Nominal Current	Measuring Range	Farnell PN
IN 100-S	±100A	±150A	3889267
IN 200-S	±200A	±300A	3889268
IN 400-S	±400A	±600A	3889271
IN 500-S	±500A	±800A	3889272
IN 1000-S	±1000A	±1500A	4129692
IN 1200-S	±1200A	±1500A	4129693
IN 2000-S	±2000A	±3000A	4129694

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