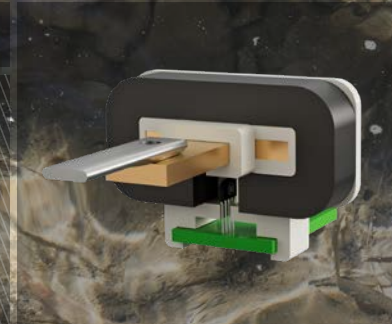


# Melexis

INSPIRED ENGINEERING

DVK CONVENTIONAL HALL CORE

DEVELOPMENT KIT FOR  
CONVENTIONAL HALL  
CURRENT SENSOR ICs



The snout of the platypus is a sensory organ with electroreceptors in the skin of the bill, which allows it to detect the electrical field that is generated when its prey contracts its muscles. With its 40,000 sensitive electronic sensors, this unique semi-aquatic egg-laying mammal represents our current sensors.

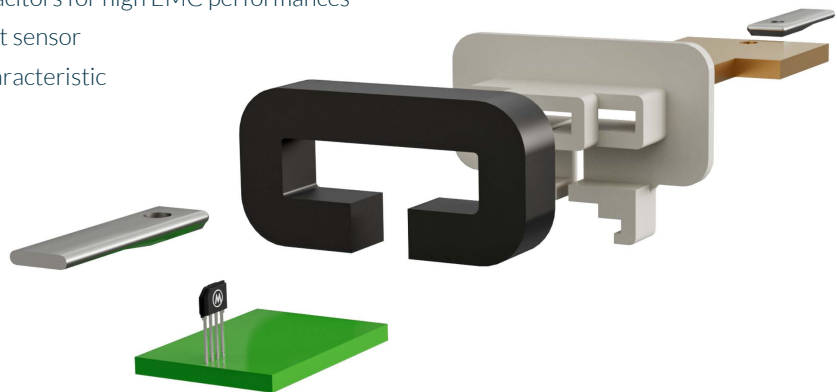
## CONVENTIONAL HALL CURRENT SENSOR DEVELOPMENT KIT

The DeVelopment Kit (DVK) DVK-Conventional-Hall provides all you need to evaluate the performances and the functionalities of MLX91209, MLX91211, MLX91217 and MLX91219 conventional Hall current sensor ICs. It includes:

- Ready-to-use evaluation board provided with MLX91209LVA-CAR-000, MLX91211LUA-ABT-500 and MLX91219LVA-AAR-502 for a quick start
- Two evaluation boards with no IC to be customized with the reference you need
- Additional spare sensors
- SiFe ferromagnetic cores
- Copper bars
- Plastic holders in order to easily assemble all the possible configurations

### KEY FEATURES

- ✓ Plug and play DVK (all included from copper bar to sensor)
- ✓ DVK provided with an extra PCB to connect any other variant
- ✓ Build and test different configurations (cores, sensors, sensitivity)
- ✓ Ground Layer and Decoupling capacitors for high EMC performances
- ✓ (Programmable) high speed current sensor
- ✓ (Programmable) linear transfer characteristic
- ✓ Measurement range
  - Smallest core: up to 500 A
  - Biggest core: up to 1200 A
- ✓ SOIC8 package RoHS compliant
- ✓ Wideband from DC to 400kHz
- ✓ Short response time



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