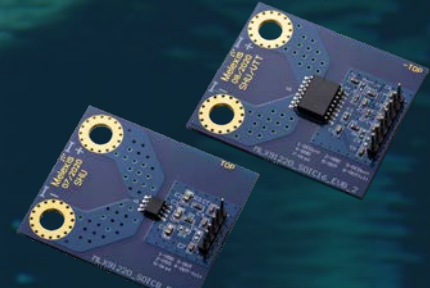


Melexis

INSPIRED ENGINEERING

DVK91220

DEVELOPMENT KITS FOR MLX91220 AND MLX91221



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

ISOLATED INTEGRATED CURRENT SENSOR DEVELOPMENT KITS

The DVK91220 provides all the needed components to evaluate the performances and the functionalities of MLX91220 (or MLX91221) integrated current sensor family. It includes:

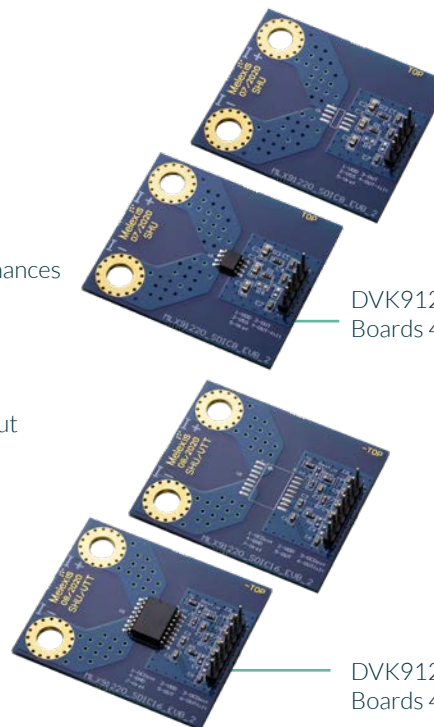
- A ready-to-use evaluation board provided with MLX91220KDC-ABF-050 for a quick start.
- An evaluation board with no IC to be customized with the reference you need.

The DVK91220 is available in 2 variants

- DVK91220-SOIC8
- DVK91220-SOIC16

KEY FEATURES

- ✓ DVK variants available for SOIC8 or SOIC16 package versions
- ✓ DVK provided with an extra PCB to connect any other variant
- ✓ Isolated current measurement demo factory calibrated for 50A
- ✓ PCB design adapted to high current measurements
- ✓ High common mode field rejection through differential sensing
- ✓ Ground Layer and Decoupling capacitors for high EMC performances
- ✓ Interface:
 - primary side: M3 holes for screw-on connection of cables
 - secondary side: pin header
- ✓ High speed analog output and RC filtered (on PCB) analog output
- ✓ MLX91220 operating at 5V, MLX91221 operating at 3.3 V
- ✓ MLX91220/21 Certifications
 - Rated voltage isolation as per IEC/UL 62368-1:2014
 - 2.4 kV RMS for SOIC-8
 - 4.8 kV RMS for SOIC-16
 - AEC-Q100 automotive qualified



DVK91220-SOIC8
Boards 47 x 40 mm

DVK91220-SOIC16
Boards 47 x 40 mm

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FOR MORE INFORMATION: WWW.MELEXIS.COM/DVK91220

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