



DVK90129: Sensor Starter Kit

13.56 MHz HF RFID Enabled Sensors

The DVK90129 is an intelligent plug and play platform to drive the development of RF enabled sensing and data logging for enterprise and consumer applications. Focus on sensor product development without the effort of configuring a HF RFID reader.



The DVK90129 reader and evaluation board kit provides developers with immediate access to the new Melexis® MLX90129 RFID enabled sensor transponder IC.

Developers can read/write to the IC with our plug and play USB high frequency reader right out of the box. The EVB90129 evaluation board includes demonstration thermometers, a potentiometer and a light sensor for ease of testing the IC and powerful Dashboard evaluation tools. Other parameters may be measured by connecting additional resistive sensors. Data logging is enabled by adding a battery.

DVK90129 Includes:

- **PRFD-1:** USB Desktop HF RF Reader
- **API-SEV1:** XML Based API for Sensors for easy integration
- **DSH-SEV:** Ready to use Dashboard demo tools
- **EVB90129:** RFID Enabled Sensor Evaluation Board with thermometer, light sensor and potentiometer



WHY HF RFID ENABLED SENSORS?

The Melexis MLX90129 is a sensor transponder IC that smooths communication with resistive sensors. The IC has an integrated 13.56 MHz high frequency inlay that combines reading sensor data with unique HF RFID tag identification. The HF RFID inlay can be used for batteryless, in situ and point in time sensor reading or combined with a battery for data logging.

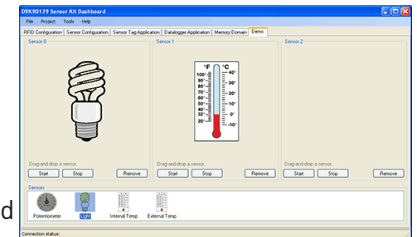
EVB90129 EVALUATION BOARD

The DVK 90129 ships with an evaluation board populated with the MLX90129 sensor transponder IC, 3 evaluation sensors (temperature, light, potentiometer), external memory and a battery. The EVB90129 as part of the DVK90129 provides valuable demonstration and evaluation tools.



DASHBOARD EVALUATION TOOLS

The RFID Sensor Dashboard provides evaluation software which allows users to characterize the sensors, fine tune the EVB90129 settings and share these settings with other users. Step-by-step software instructions are found in the User Manual, including two examples so developers can walk-through trial applications. The first example is based on a sensor tag application and the second example is based on a datalogging application.



RELATED PRODUCT

Ready-to-use temperature sensor

The ST-KF1 keyfob temperature sensor tag provides an application ready temperature sensor for real time temperature sensing applications. Includes a demo application providing accurate temperature information at the click of a button.

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