

EnOcean Development Kit EDK 100C

The EDK 100C is a complete set of tools and modules for the evaluation of EnOcean technology and the development and test of application specific end products based on EnOcean 315 MHz radio modules.

This comprehensive kit features everything needed to either evaluate and test functionality of self-powered STM110C sensor transmitter modules or to develop bidirectional application devices based on the TCM2xxC transceiver module.

The easy-to-use monitoring and control front-end software WinEtel runs under Windows and allows for real-time display and logging of any EnOcean radio telegram received. Telegrams may as well be composed and transmitted using a TCM2xxC module mounted on the transceiver interface board EVA100.

The EDK 100C comes with a software API and a programming adapter for the development of TCM2XXC transceiver application specific firmware. The Microchip MPLAB ICD 2 development platform that is needed for the software development process is not included in this kit and has to be purchased separately.

Also enclosed is the EPM100C range tester and a North-American style rocker switch with an inte-



grated PTM200C self-powered transmitter module.

The EPM100C is a hand-held tool for measuring and indicating the received signal strength of EnOcean telegrams and disturbing radio activity at 315 MHz. This tool can be used for radio range testing together with any EnOcean transmitter. It also supports installers during the planning phase by enabling them to verify whether the placement of EnOcean transmitters and receivers is possible at the positions planned or if there are any objects obstructing the radio signal path.

Type
EDK 100C

Ordering Code
S3034-X100

Features overview

- Evaluate and test all functions (I/O, energy supply, wake-up, etc.) of STM110C sensor transmitter modules. Create a "proof-of-concept" for your self-powered sensor product idea before going into full design work
- Configure STM110C modules (parameters and EnOcean Alliance standardization codes)
- Receive, display, log and analyze any EnOcean telegram on air using your PC
- Compose and transmit EnOcean telegrams from your PC
- Develop, test and debug application specific firmware for your TCM2XXC based target product
- Perform range tests
- Verify ideal placement of field devices with regard to radio communication