



ETK 300F

EnOcean Trial Kit



Important Notes

This information describes the type of component and shall not be considered as assured characteristics. No responsibility is assumed for possible omissions or inaccuracies. Circuitry and specifications are subject to change without notice. For the latest product specifications, refer to the EnOcean website: <http://www.enocean.com>.

As far as patents or other rights of third parties are concerned, liability is only assumed for modules, not for the described applications, processes and circuits. EnOcean does not assume responsibility for use of modules described and limits its liability to the replacement of modules determined to be defective due to workmanship. Devices or systems containing RF components must meet the essential requirements of the local legal authorities. The modules must not be used in any relation with equipment that supports, directly or indirectly, human health or life or with applications that can result in danger for people, animals or real value. Components of the modules are considered and should be disposed of as hazardous waste. Local government regulations are to be observed.

Packing: Please use the recycling operators known to you. By agreement we will take packing material back if it is sorted. You must bear the costs of transport. For packing material that is returned to us unsorted or that we are not obliged to accept, we shall have to invoice you for any costs incurred.

This evaluation kit and its components are intended for use for evaluation, demonstration or engineering development purposes only. It is not considered to be a finished end product fit for consumer use. Persons handling this developer kit must have electronics expertise and observe good engineering practice standards. As such, the goods being provided are not intended to be complete in terms of required design, marketing, and/or manufacturing related protective considerations, including product safety and environmental measures typically found in end products that incorporate such electronic components or circuit board. EnOcean does not reliable consequences for any HW or SW changes/modifications of the developer board done by the developer.

Important notice for users in Japan: This developer kit is not certified as confirming to technical regulations of radio law of Japan. If you use this kit in Japan, you are required by Radio Law of Japan to follow the instructions below with respect to this product: Use this product in a shielded room or any other test facility as defined in the notification #173 issued by Ministry of Internal Affairs and Communications on March 28, 2006, based on sub-section 1.1 of article 6 of the "Rule for Enforcement of Radio Law of Japan". Use this kit only after you obtained the license of "Test Radio Station" as provided in Radio Law of Japan with respect to this product, or use of this product only after you obtained the technical regulations conformity certification as provided in radio law of Japan with respect to this product. Do not transfer this product, unless you give the same notice above to the transferee. Please note that if you could not follow the instructions above, you will be subject to penalties of Radio Law of Japan.



Observe precautions! Electrostatic sensitive devices!

1 Introduction

The EnOcean Starter Kit has been designed to demonstrate EnOcean's energy harvesting and ultra low power radio technology. ETK 300F comes with a electro-mechanical push button generator for switches and a solar powered temperature sensor. Radio telegrams sent by the self-powered sensors are received via USB dongle and visualized the PC software.

2 Content of the kit

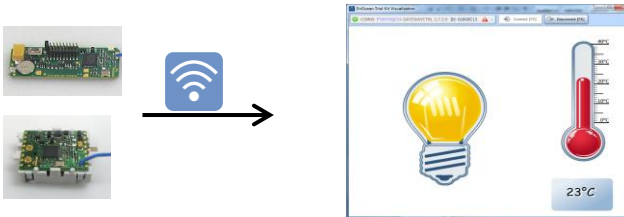
1. Printed user manual
2. USB 300F: USB Stick Gateway
3. STM 330F: Temperature sensor
4. ECO 200: Energy generator
5. PTM 330F: Radio module
6. Housing example

3 References

- User manual: http://www.enocean.com/ETK_300F_User_Manual
- Additional information: <http://www.enocean.com/knowledge-base/>
- Technical support: support@enocean.com
- EnOcean Equipment Profiles: <http://www.enocean-alliance.org/eep/>

4 First Steps

- EnOcean Visualization SW interprets EnOcean radio telegrams. It receives messages via the USB 300F and displays status of lamp (switch) and temperature (sensor).



- Please register for your personal account at: <http://www.enocean.com/registration/>
- Download EnOcean Visualization Software: <http://www.enocean.com/en/download/>
- Execute setup program and follow instructions
- Connect USB 300F to your PC or notebook
- Start EnOcean Visualization Software and press the connect button
- Press ECO 200 spring to send telegram, lamp will be switched on/off. For details see user manual of STM 330F.
- Turn the STM 330F with solar cell faced up to harvest energy, temperature values will be sent automatically. For details see user manual of STM 330F.