

Instruction Manual

WaveDok 27



Read and understand this instruction manual thoroughly before using the product. It contains important information for your safety as well as operating and maintenance advice. Keep this instruction manual for future use. Should this product be passed on to a third party, this instruction manual must be included.

Important Safety Instructions

SAVE THESE INSTRUCTIONS.

- Read all instructions, warnings and cautions in this manual and printed on the device before using it.
- **DO NOT** use the device near water or in damp environments.
- **DO NOT** expose the device to extreme heat or cold.
- **KEEP** the device **AWAY** from flammable materials.
- Use of an attachment not recommended or sold by Fabrimex X-Tec may result in a risk of fire, electric shock or personal injury.
- **DO NOT** attempt to disassemble the device. Take it to the Fabrimex X-Tec Services team when service or repair is needed.
- **ALWAYS** check the device for proper functioning before starting your shift by performing the **WaveDok 27 self-test**. If the red LED lights up, replace the 4 AA-batteries immediately.

Introduction

WaveDok 27 is a device built to test and verify the function (magnetic field detection) of WaveMan 27, a PPE (personal protective equipment) device.

WaveDok 27 comes with a device holder and should be mounted at an easily accessible position at the entrance of the working area.

Thanks to its unique design, WaveDok 27 will work continuously for about 5 years before the need to change its batteries. Nevertheless, do not forget to check proper functioning at least once a day by performing the **WaveDok 27 self-test**. If the red LED lights up, replace the 4 AA-batteries immediately.

Technical Specifications WaveDok 27:

- Magnetic test field created: 10 mA/m within 27 MHz band (+/- 500 kHz)
- IP protection class (EN 60529): IP50
- Battery powered operation (4x AA; battery life around 5 years corresponding to appr. 1 000 tests yearly)
- Operating temperature: -10 °C to +50 °C
- Dimensions [mm]: 150 x 100 x 40 (width x height x depth)
- Weight: 260 g (including batteries)
- Certificates:
 - EU directives: 2014/30/EU, RoHS 2011/65/EU
 - EN 55011:2016 + A1:2017 + A11:2020 (class B)
 - EN IEC 61000-6-2:2019, EN IEC 61000-6-3:2019
 - EN IEC 63000:2018

Scope of Delivery

The device is shipped with a device holder and ready to use with four AA batteries (non-rechargeable) installed and active.

Installation

The device gets shipped ready to use and does not need any kind of activation before first use. The provided device holder should be used to mount the WaveDok 27 at an easily accessible position at the entrance of the working area.

Operation

WaveDok 27 creates a low-level magnetic field to test and verify the function (magnetic field detection) of WaveMan 27, a PPE (personal protective equipment) device.

To create the test field, simply press the button of the WaveDok 27. As long as the button is pressed the blue LED of the “WaveDok27” lights up and the test field is active.

To ensure proper functioning the **WaveDok 27 self-test** should be performed before starting your shift but at least once a day as described here:

WaveDok 27 self-test:

Press the button of the WaveDok 27. If the device works fine, the blue LED lights up. If the red LED lights up, replace the batteries of the WaveDok 27 immediately.

Frequently Asked Questions

Q1: What is the battery life?

A1: The battery life is around 5 years corresponding to appr. 1 000 tests yearly.

Q2: How can I change the batteries?

A2: Simply remove the flap on the backside of the device and remove the old batteries. Insert the fresh batteries as indicated on the stickers. Put the flap back in place and perform a **WaveDok 27 self-test**.

Q3: How can I test the function of the device?

A3: Please see the steps described in section “Operation”.

Q4: How can the device be recalibrated?

A4: Generally, it is not necessary to calibrate the device. If you feel the device needs a recalibration, please get in contact with the Fabrimex X-Tec Services team to arrange for proper recalibration.

Spare Parts

The only customer replaceable parts are the 4 AA batteries. Please make sure to only use industrial grade batteries (conventional or rechargeable).

Limited Warranty

The WaveDok 27 products carry a three (3) year limited warranty against defects in material and workmanship under normal use. At its own discretion, Fabrimex X-Tec agrees to repair or replace any defective part(s) free of charge, within the stated limited warranty period.

In case of problems, please reach out to the Fabrimex X-Tec Services team by email (rma@fabrimex-xtec.ch) to get an RMA number as well as further instructions to return the defective device.

This limited warranty does not cover any problem caused by regular wear and tear, improper handling, any alterations to the device, misuse, abuse or similar actions.

Further Information

If you need any further information, please visit www.fabrimex-xtec.ch for up-to-date manuals and other support materials.

This instruction manual is also available in the following languages:

- French
- German
- Italian
- Spanish

