# Getting started with the

## NutriOpt On-site Adviser

trouw nutrition
a Nutreco company

nutriopt

# User guide index

## Which scanner do I have?

Before reading this manual, please check whether you have an E-series or F-series scanner. You can find out by looking at the back side of the handle (Figure 1). You will find a serial number there. Serial numbers ending with "E" (for example SC12345E) are E-series scanners. Serial numbers ending with "F" (for example SC12345F) are F-series scanners.



**Figure 1**

## Installing the mobile app

### Downloading the mobile app

You can find the On-site Adviser mobile app called 'NutriOpt On-site Adviser app' in Google Play and the Apple App Store.

### Android device requirements

Use Android 8.1 or later. To download the app from the Play Store, your Google Play account should have a device certification. This certification can be found in the Google Play Store setting under 'Play Protect Certification'.

### Apple device requirements

Use iOS 13 or later with iPhone model 11 or above.

Once you have downloaded the app, it will request access to images and location data on your device. This access is required to register the sample and obtain the nutritional report.



## Login to the mobile app

*Before you start using your new handheld scanner, you need to activate your account. Please contact your Trouw Nutrition representative to obtain access. You can find your regional Trouw Nutrition contact person via this web page:*

**https://www.trouwnutrition.com/en/Global-presence/**

### Login to the mobile app

After installing the NutriOpt On-site Adviser app on your mobile phone, you can log in by following the steps outlined in the email titled 'Welcome to NutriOpt On-site Adviser'. We recommend you save this email for future reference.

You can now proceed to the next step.

## Start-up and connect

### Turn the scanner on

F-series scanner: Press the round button on the scanner for one second (Figure 2). The scanner will initiate the start-up sequence with a steady green battery light (if fully charged) and two flashing red Bluetooth and measurement lights (1x/1 s). The scanner is now ready to connect to the phone.
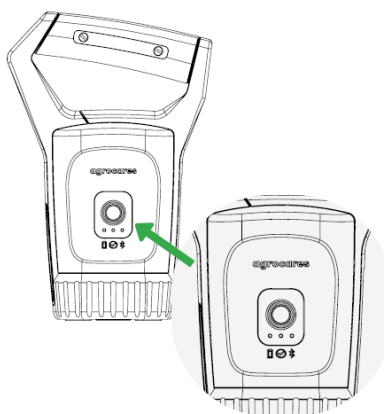


**Figure 2**

E-series scanner: Press the scan button for three seconds (Figure 3). The scanner will initiate the start-up sequence indicated by beeping sounds and blinking battery (yellow/green) and scan button (green) lights. The scanner is ready to connect to the phone when the Bluetooth (blue) light starts blinking, the battery light is continuously on and the scan button light is off.



**Figure 3**

### Stable internet connection

The scanner is used in combination with the NutriOpt On-site Adviser app. A stable internet connection is required to log in, scan and synchronise your data.

It is also possible to scan a sample without internet and synchronise it later. Make sure that you do not log out or close the app before synchronisation is complete. This will prevent loss of data.

**Connect the scanner to your mobile app**

Open your NutriOpt On-site Adviser app:

1. Go to the 'Account' menu. Click on 'Select scanner' in the 'Device settings' bar.
2. Select the scanner version of your device (Figure 4).
3. Select your scanner from the 'Available devices' list (Figure 5). You may need to accept location permissions.

When your phone and scanner are connected, the Bluetooth light on the scanner will flash green (1x/1s). To save battery power, the scanner often goes into 'sleep' mode and the Bluetooth light turns red. Once you start the scanning process, the scanner will reconnect with the mobile phone and the Bluetooth light will flash green.
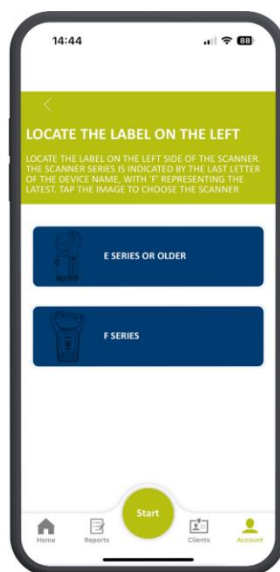


**Figure 4**

**Figure 5**

## Scanning a sample

Once you have paired the scanner with your phone, press the 'Start' button on the scanner or in the NutriOpt On-site Adviser app to launch the scanning process.

If you have access to more than one subscription, select the one you want to use for this scan.

Select the material you will analyse from the drop-down Material menu and provide a description of your sample. Once you press 'Next', the app will take you to the 'Client Selection' screen so you can assign your sample to a client if you wish.

By pressing 'Next', the app will guide you through the scanner calibration process.

You can also find a step-by-step video on the scanning process on our support page: www.nutriopt.com/support.

## Implementing your findings

*You can implement the findings of the NutriOpt On-site Adviser in several ways. Generally, these fall into two categories:*

- *Raw material quality control*
- *Adjusting your feed formulation*

### Raw material quality control

Amid fluctuating markets, nutritional profiles of raw materials are continuously changing, which means the most suitable diet for any operation is constantly evolving. This can be particularly challenging for swine or broiler farms, which rely on consistent growth of animals over a short period of time.

For example, broilers may only have a growth period of 35-42 days, and any nutritional issue can mean that they do not reach the target weights in this given period. There is little opportunity to correct diets and make up lost time, so these issues can result in significant financial costs for producers. In the case of ruminants, silage quality can vary considerably, which means that milk production and quality can also vary. Diets are often formulated based on a single silage analysis, which means that as the quality of the silage fluctuates, so too will the health and productivity of the cow.

If the silage quality is lower than expected, and this isn't taken into account when preparing the mix, the animal will receive less energy than expected. This will result in lower yields and health issues, such as reduced fertility. However, if you are able to measure silage quality on-site more often, you can adjust the feed mix and ensure that it remains consistent, which means that milk production and health aren't affected. Similarly, for broilers and swine, if you are confident in the quality of the nutrients you're feeding your animals on a daily basis, you can easily predict their weight gain.

### Adapting your feed formulation

We all know that the feed mix for a cow will be very different than for a pig or a chicken. But it's also true that the most nutritious diet for an animal isn't always the most optimal mix for your business. For example, it has long been the norm to formulate broiler diets based on maximum animal performance. But this can require a highly concentrated and protein-rich diet, which can be costly and may have a negative impact on profitability. By combining market data with technical data, it's possible to accurately formulate the best possible diet for your livestock that also generates the best return on investment, potentially even saving on feed costs. This means that 'optimal feed' certainly won't be a 'one-size-fits-all' approach. It should be tailored specifically to each farm and linked directly to its business objectives.

**The data from the NutriOpt On-site Adviser can be fed into/linked to your formulation software to adjust your feed mix for optimal animal and business performance.**

## MyNutriOpt

With the NutriOpt On-site Adviser service, you will also receive access to the MyNutriOpt online platform. You will receive a separate email to set this up. On the MyNutriOpt platform, you are able to:
- ✓ View and share your NutriOpt On-site Adviser reports
- ✓ Set and monitor data standards
- ✓ Track the quality of your materials over time

If you don't setup your MyNutriOpt account, you are still able to use your NutriOpt On-site Adviser and view your results only in the app without any problems.

## Support

If you encounter any issues with your scanner or app, you can get support from your Trouw Nutrition contact person. Our support team will contact you as soon as possible with a solution for your issue. For frequently asked questions about the NutriOpt On-site Adviser and/or contact details of your Trouw Nutrition support person, please go to our online support platform: [www.nutriopt.com/support.](www.nutriopt.com/support.)

Find more information on: [www.trouwnutrition.com/onsiteadviser](www.trouwnutrition.com/onsiteadviser)
Or contact your nearest Trouw Nutrition expert.