

HOW TO INSTALL:

If you have to use just the application, go to \app\build\outputs\apk\debug and download the apk.

Otherwise clone or download the application and open it on Android Studio!

HOW THE APP WORKS:

ReaderNHS APP allows you to read messages from an NHS3152 circuit.

There are two reading modes, both of which are available on the main screen:

- Single reading:

By placing the phone on the TAG, the single message is received and displayed.

- Multiple Reading:

It is possible to specify the frequency of reception of messages, the default value is 3000ms, it is possible to change the value in the appropriate EditText.

The 'records' are then displayed on the main screen. It is possible to individually select the records to export by clicking in the appropriate checkbox, or select the records that are part of the last reading session by pressing the "Select last record" button.

Then to export the 'records' you need to press the 'Export Selected' button, the application will create a csv file with the selected records inside.

It is also possible to clear the screen with the "Clear data" button.

Data visualization:

In the 'Explorer' screen you can view the files created.

The files are also located in the phone memory at: "Android \ data \ com.example.readernhs \ files \ TestDirectory"

At the top there is a list (if at least one file has been created) of the files with the corresponding names. By clicking on the 'file', all the records that make it up are displayed.

Statistics:

There is also a screen that allows you to create a graph for the values:

- R
- V1
- V2
- VDS

It is possible to select a file or more by pressing on them, then by pressing the 'Plot' button to draw the graph.