TAB-COM

Manual

Versja: 0.1
12/2018

madur
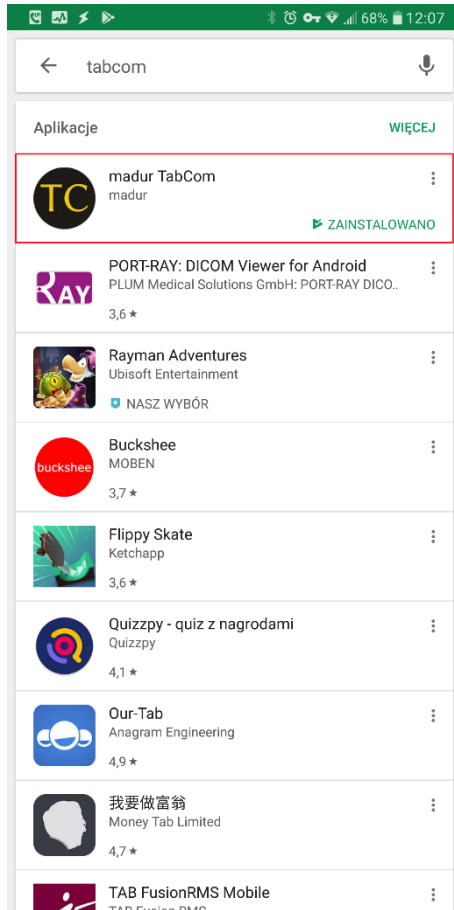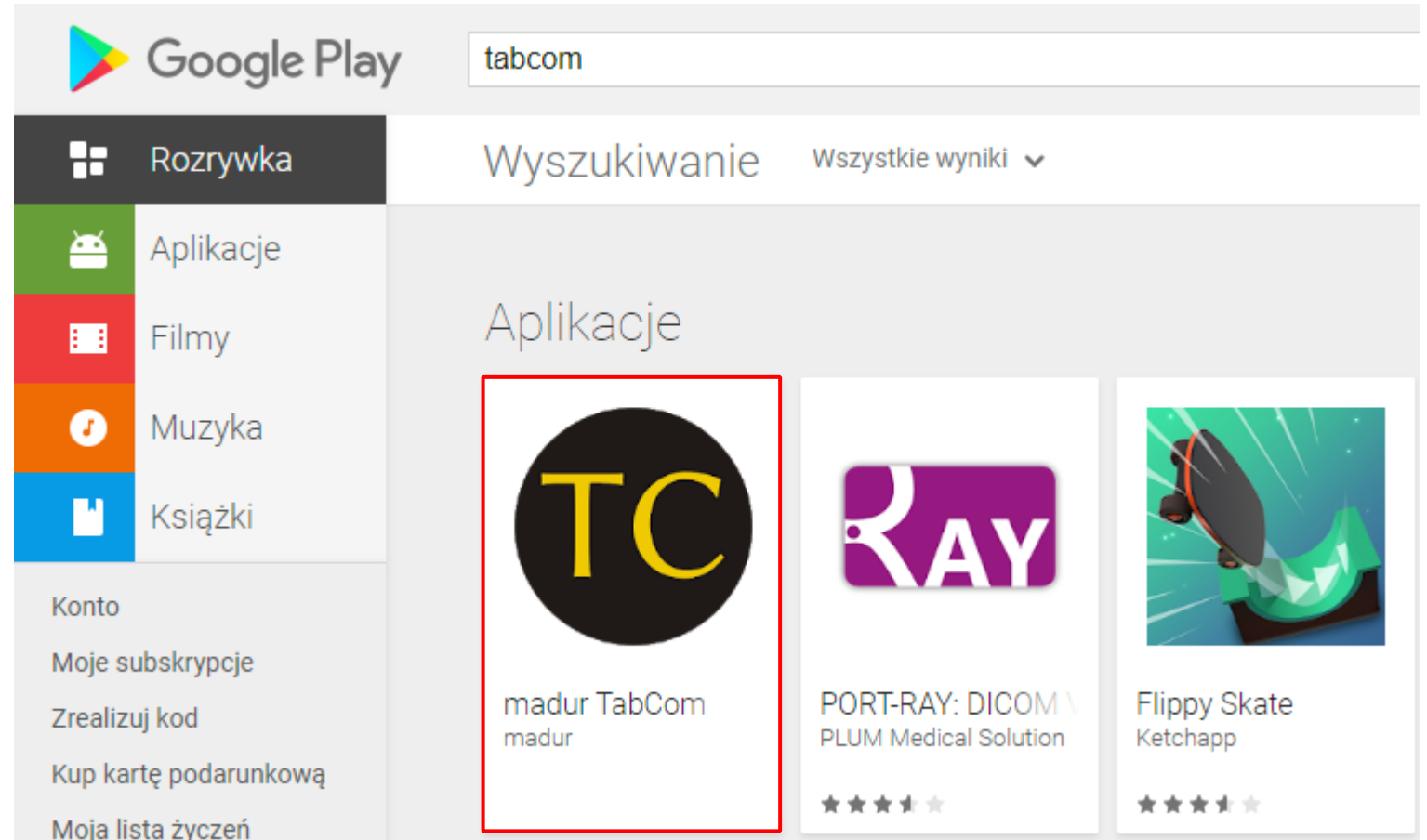
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1. INTRODUCTION

Gas analysers GA-21plus, GA-40Tplus equipped with optional Bluetooth module allow for wireless communication with PC (using madCom application) and also with Android devices with TabCom application.

2. INSTALLATION

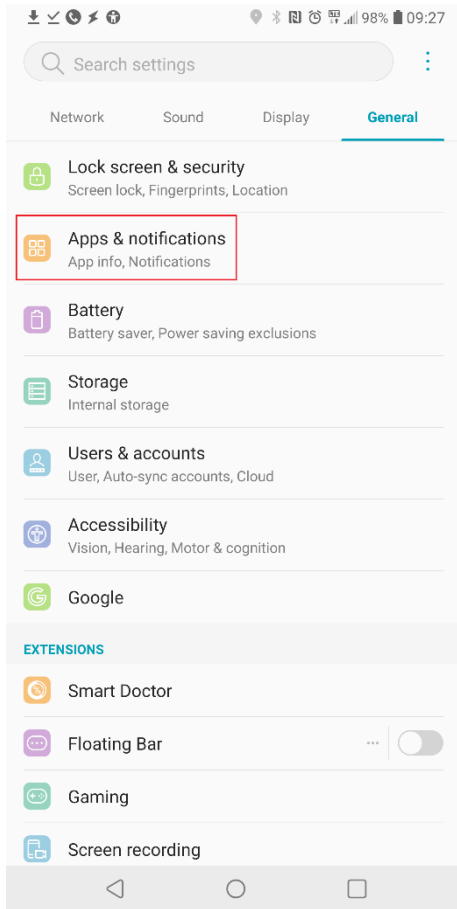TabCom application should be downloaded from Google Play market:

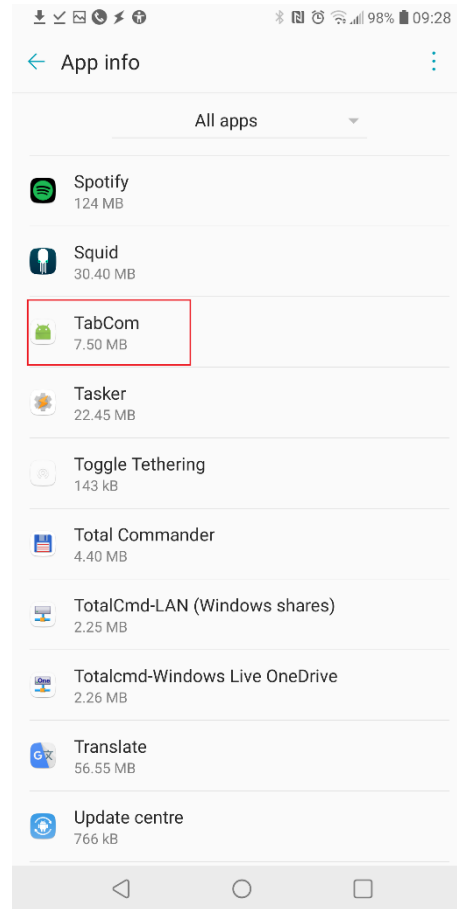TabCom app in Google Play – view in android device

TabCom app in Google Play market – view in desktop web browser
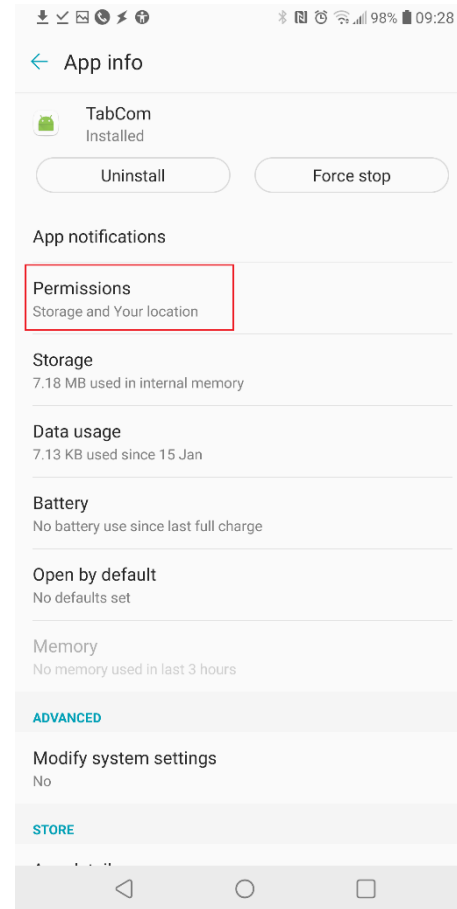
3. FIRST START-UP

After app is installed, it is necessary to make sure if the app was granted suitable permissions:
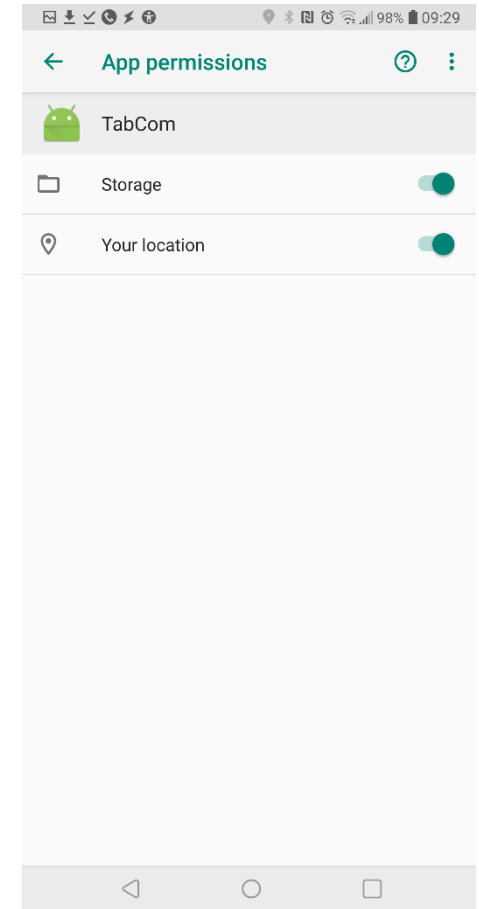

In system settings go to *Apps & notifications*

In app info, search for TabCom application
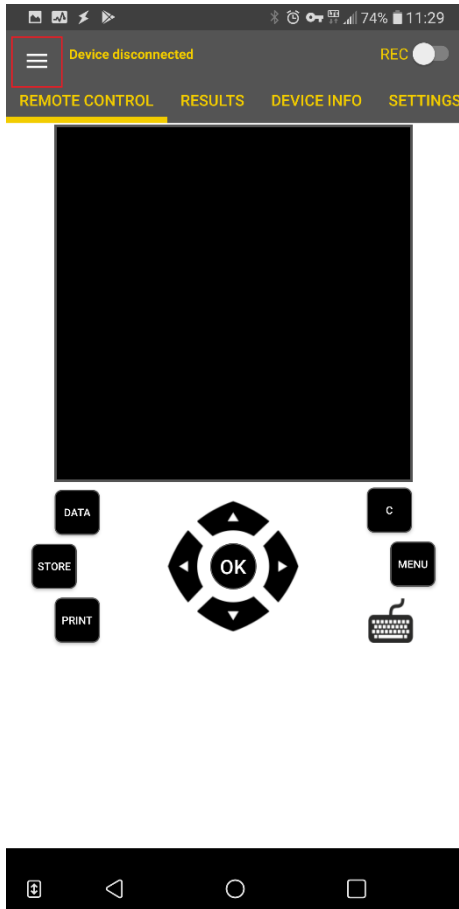

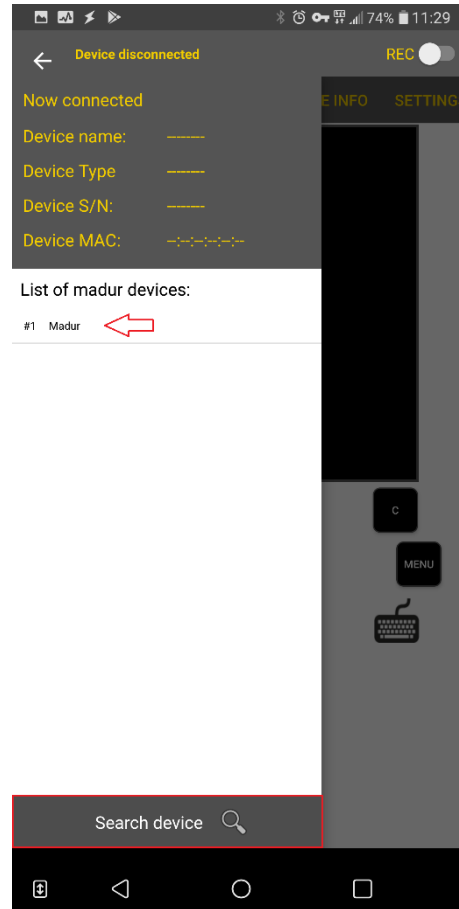Inside TabCom inforatoin tab, go into *Permissions*

Make sure that both *Storage* and *Your location* permissions are granted **(otherwise, TabCom will not be able to find any Bluetooth device, nor to store measurement data)**
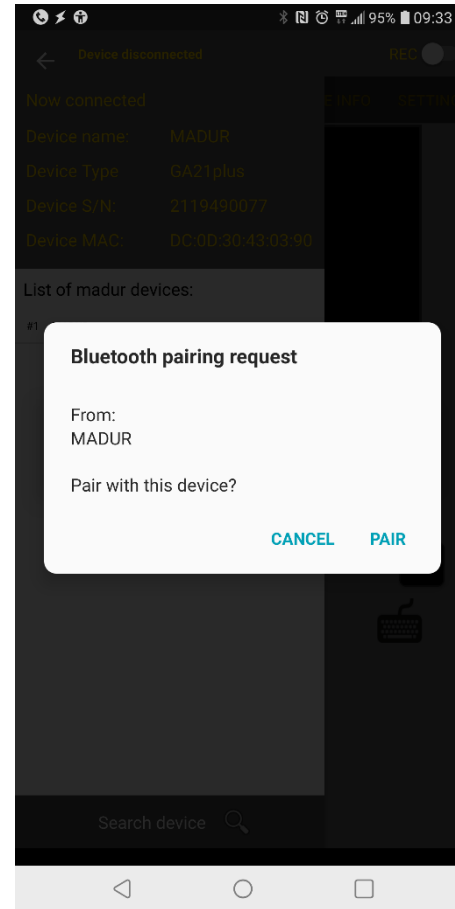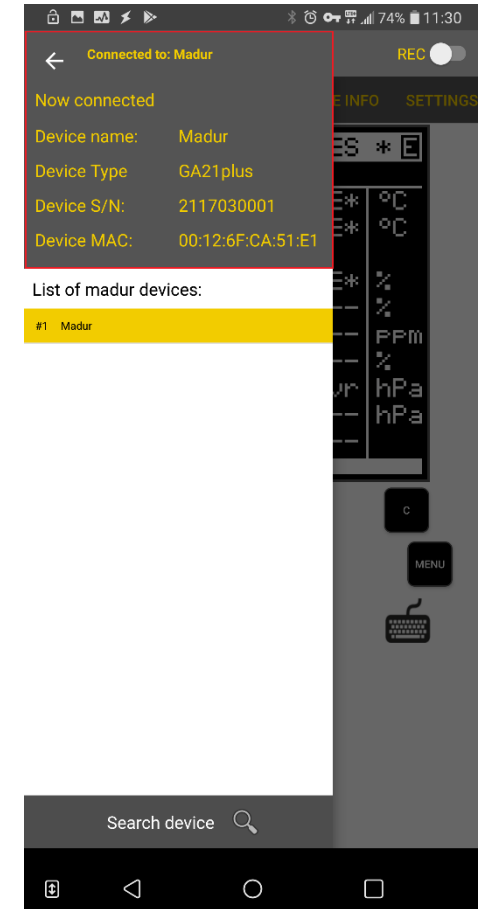
4.   CONNECTING WITH ANALYSER

Use hamburger button to open device search menu

First, press *Search device* to refresh the list of available, then select a device from the list you wish to connect to.
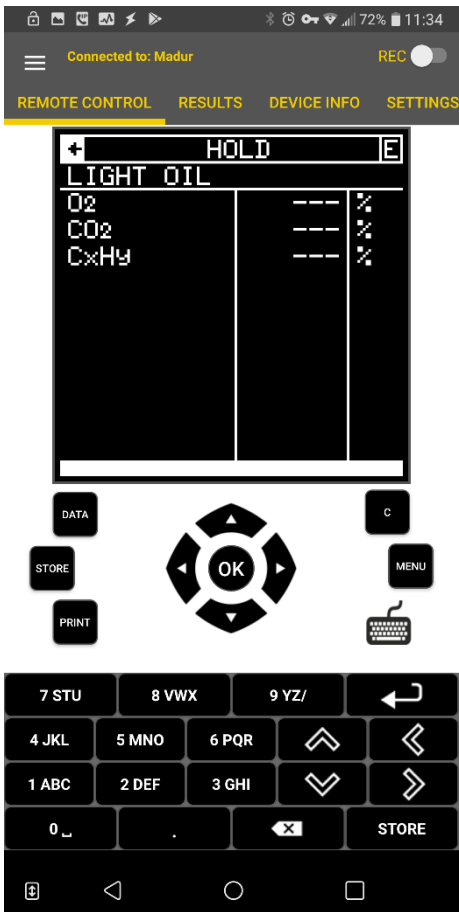
Application will request to pair Bluetooth device. Pin number: 1234, in case it is requested.

After device connects with TabCom app, it will show device info: type of device, serial number, MAC address, etc.

5.   TABCOM FUNCTIONS

5.1. Remote Control

TabCom allows for remote control over GA-21plus / GA-40Tplus analyser. Android device mirrors content of analyser's screen. Below it, there is a virtual keyboard that allows to control the analyser, pressing virtual key is equal to pressing hardware key of analyser's keyboard:

DATA – opens results' screen#1   **C** – cancel / delete

STORE – opens window with data storage settings   **MENU** – opens analyser's main menu

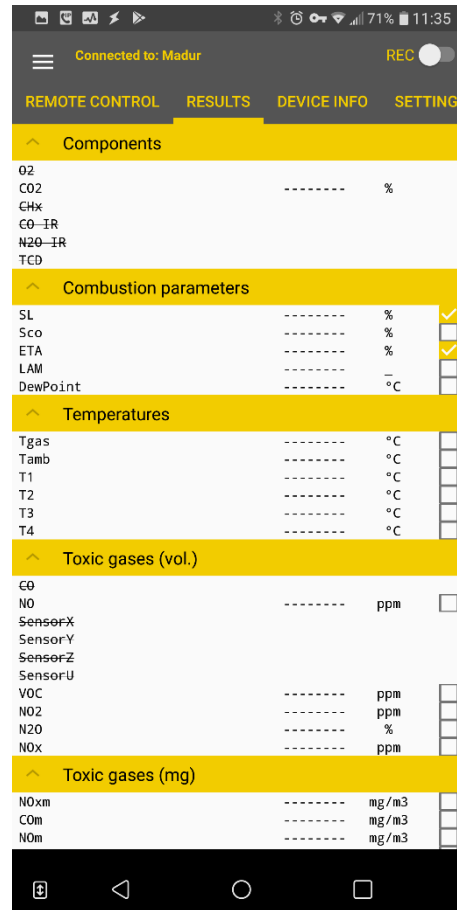**PRINT** – sends content of a current screnn to printer   **Keyboard icon** – opens numeric keypad
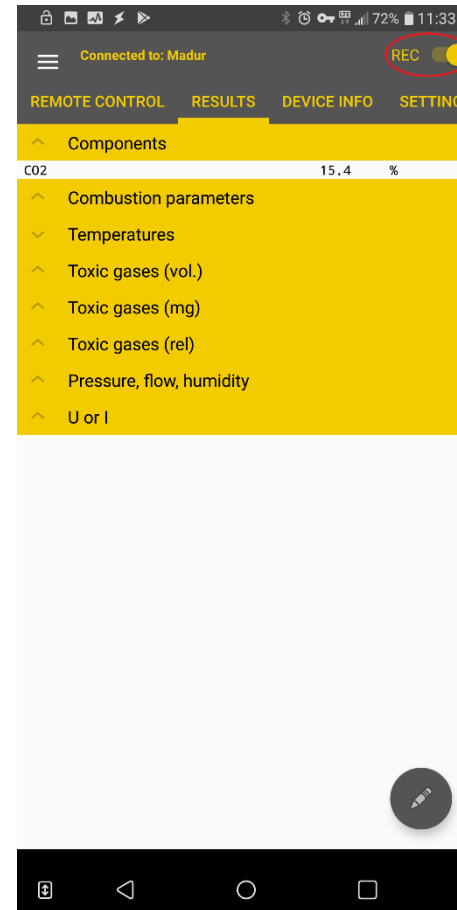
## 5.2. Results – Preview, storage of current results
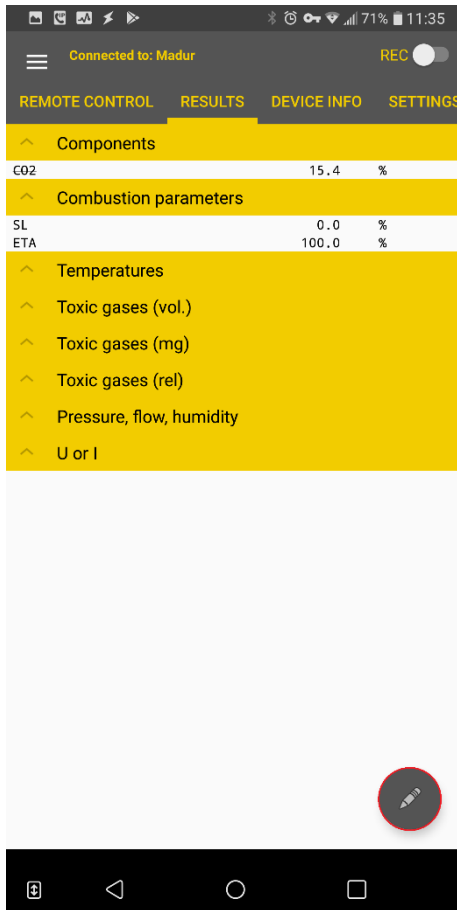
Tabcom app allows to view user-selected parameters. Press pencil icon to make customised selection of those parameters.

List of results (for preview and storage)

Sensors that are not present in the connected device are presented in crossed-out font.

To start recording data, move REC slider. Data are stored in the android device memory as CSV file
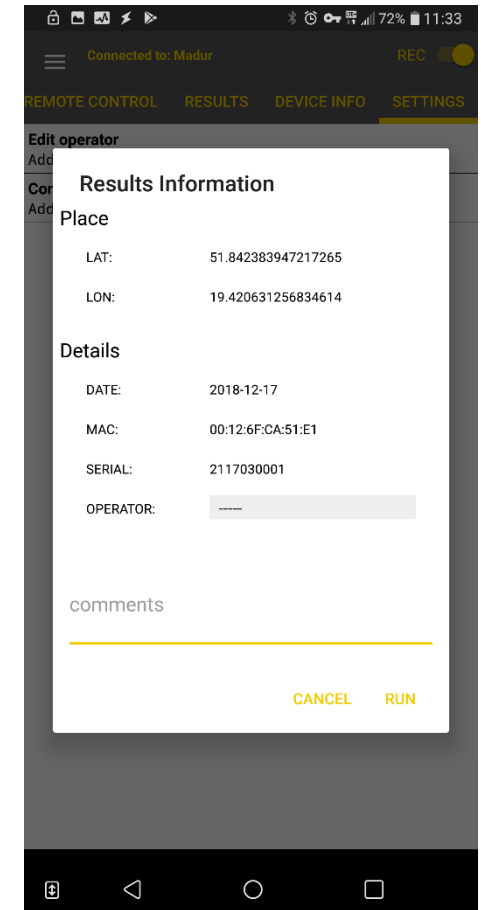
Aside measurement data, CSV file holds GPS coordinates of place where measurements have been performed, also about operator that performed measurements, etc.
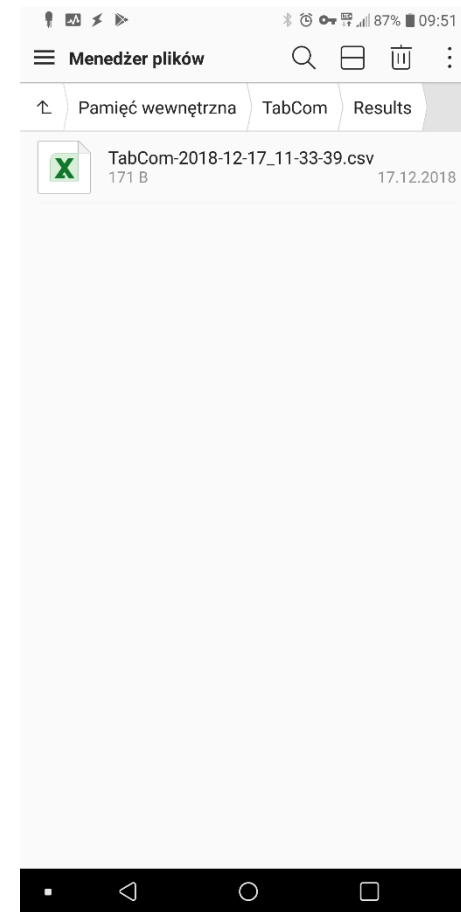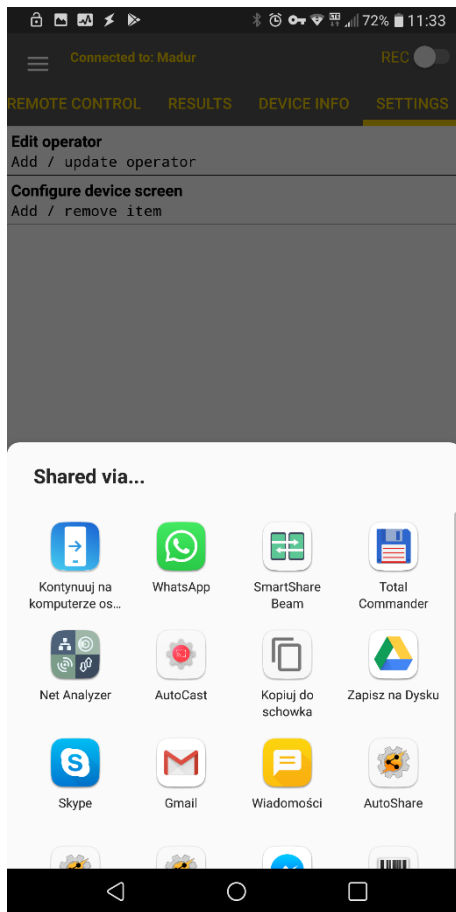
At the end of recorded measurement session (on closing records) program will automatically propose to share stored results. CSV file can be send as attachment by email, Skype, Whatsapp, MMS, shared via bluetooth, etc.
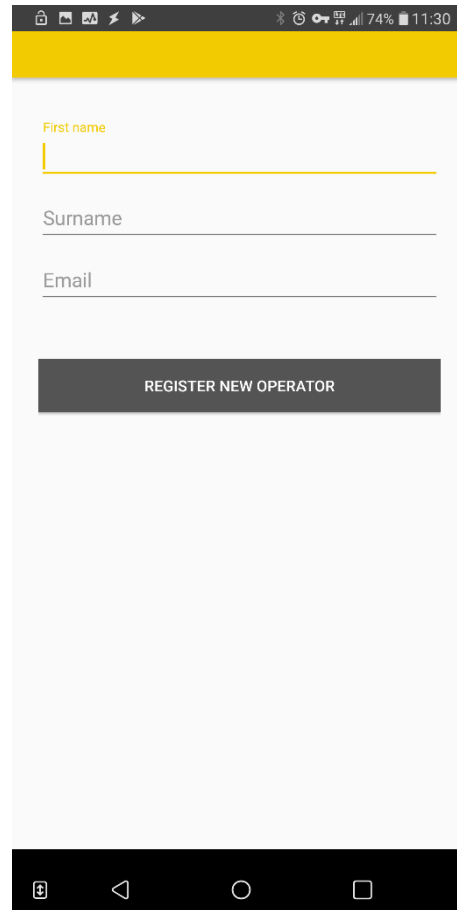
CSV location in the android device::
Internal storage → TabCom → Results
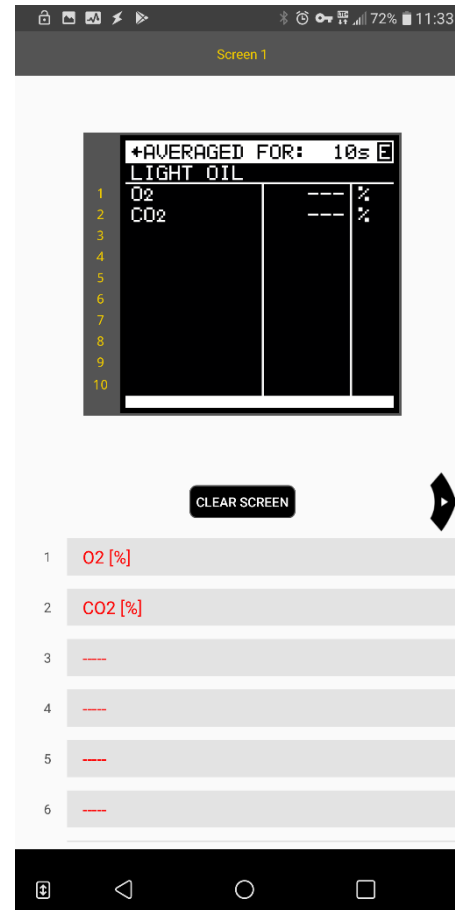
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5.3. Device info

Device info settings allows to:

- Define operator's data

- Define analyser's results screens

Definition of operators data:
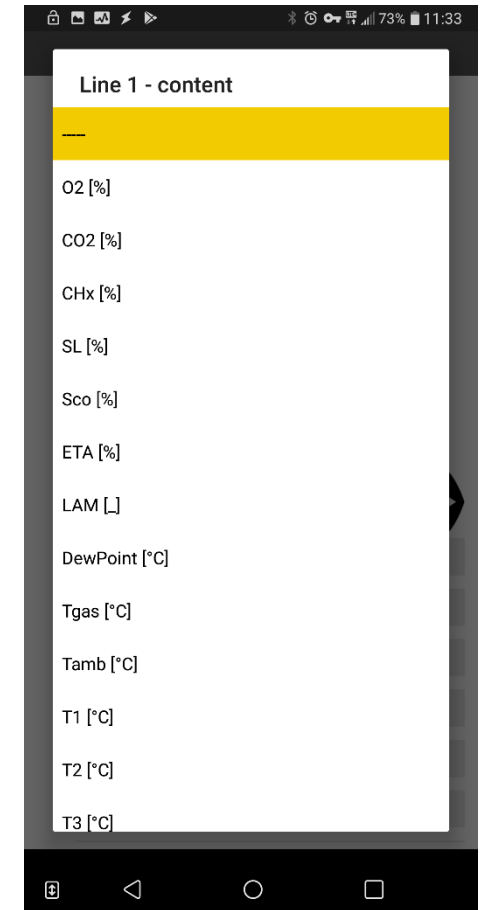
Name, Family name, email address
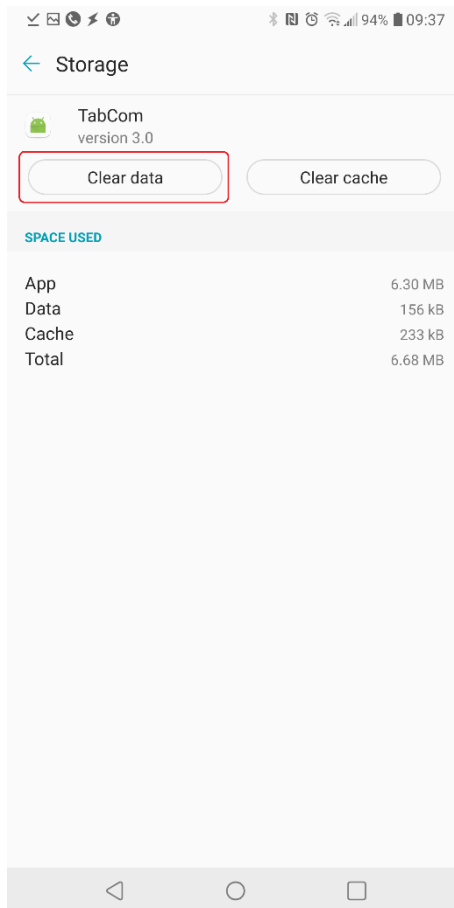
To define results' screen:

At the top there is information about screen number that is being modified.

Left / right arrows we select screen for modification.

Clear Screen button erases all content of the screen. Screen is defined line by line by assigning value from a dropdown list.

6.   TROUBLESHOOTING

In case of problem with application, e.g. unexpected crashes, it is advised to clear application data – i.e. restore it to default settings. Afterwards, it is necessary to provide application suitable permissions, like described in chapter 3.