pokitMeter DMM App

MANUAL

2020 January

- jdon

Revision Sheet

Release No.	Date	Revision Description
Rev. 0	1/11/2020	Initial Work

USER'S MANUAL

TABLE OF CONTENTS

Page

A. GENERAL INFORMATION

1.1 System Overview

Windows based application for accessing DMM functions of pokitMeter:

- Voltage, Current, Resistance, Diode, Continuity, Temperature
- DMM configurations
    - voltage range
    - current range
    - ohmmeter range
    - temperature scale
- DSO and Data Logger functions:
    - Under development
- Written in Python

1.2 Core Components
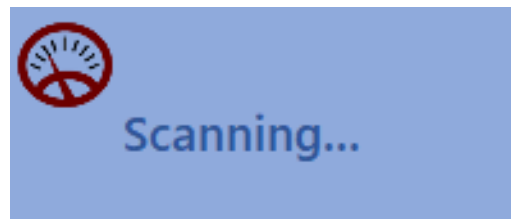- Python 3.7
- PyQt5
- Bleak

1.3 Platform
- Windows 10
- GUI is created using Qt Designer
- Exe is created using PyInstaller
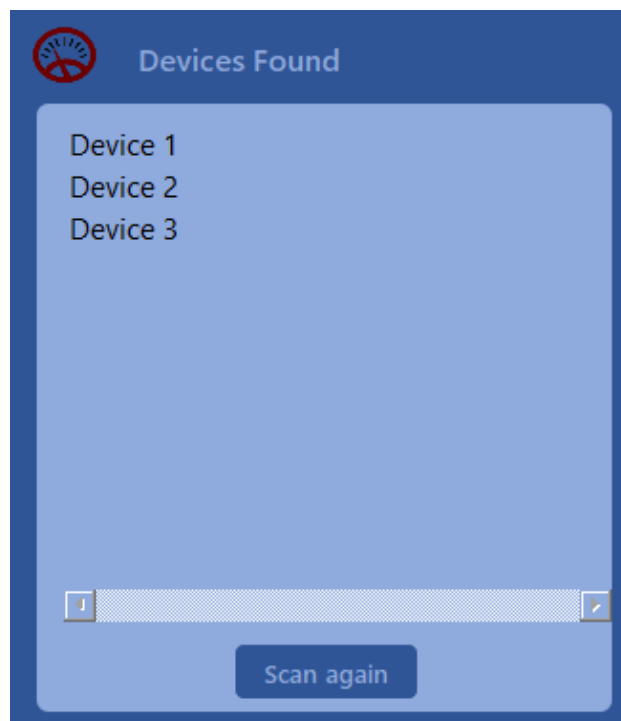
B.   GETTING STARTED

2.1   Scanning

Once the app is started it will scan automatically and display a wait indicator as shown below:
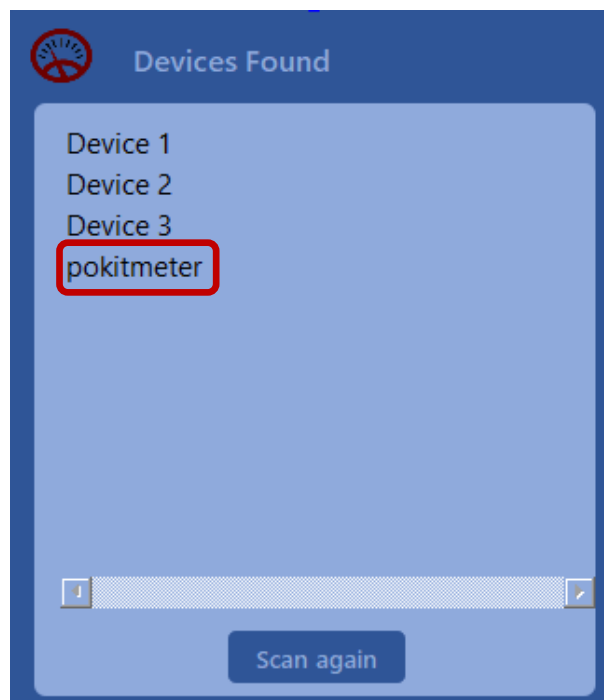

2.2   Scanned Devices
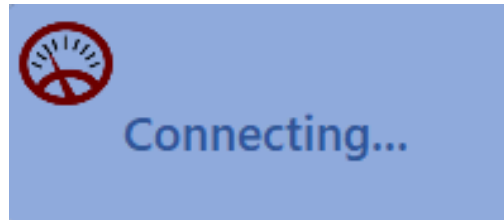
After scanning, the app will show a list of found devices:

Note that if pokitMeter does not appear on the list, a re-scan can be done by clicking the 'Scan again' button.
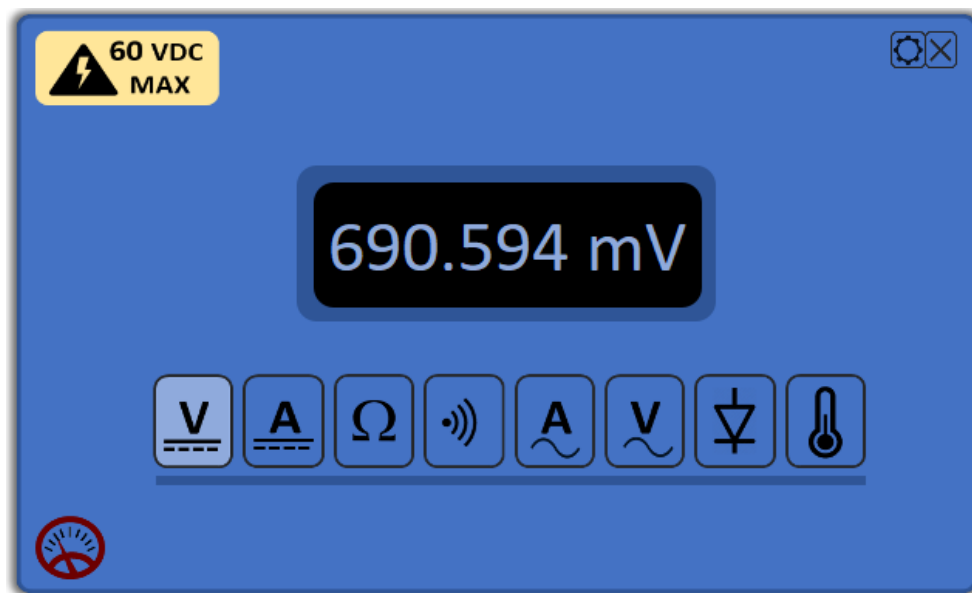
2.3   Connecting to Target Device

After selecting the target device, the app will check if the device is valid by checking the Manufacturer ID and will display a wait indicator as shown below:
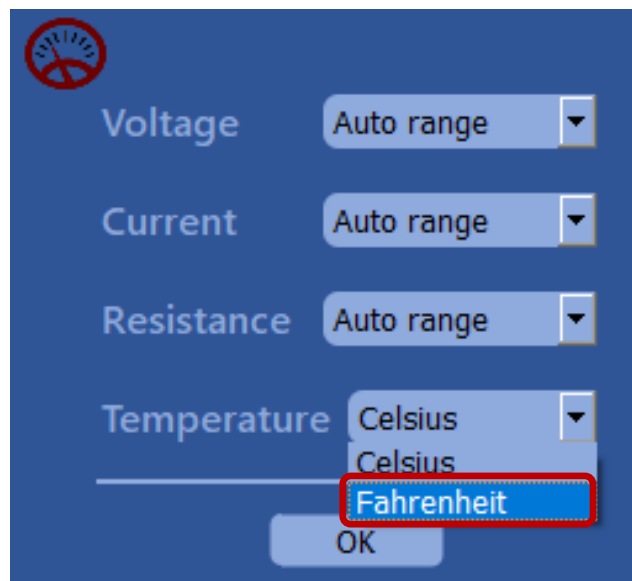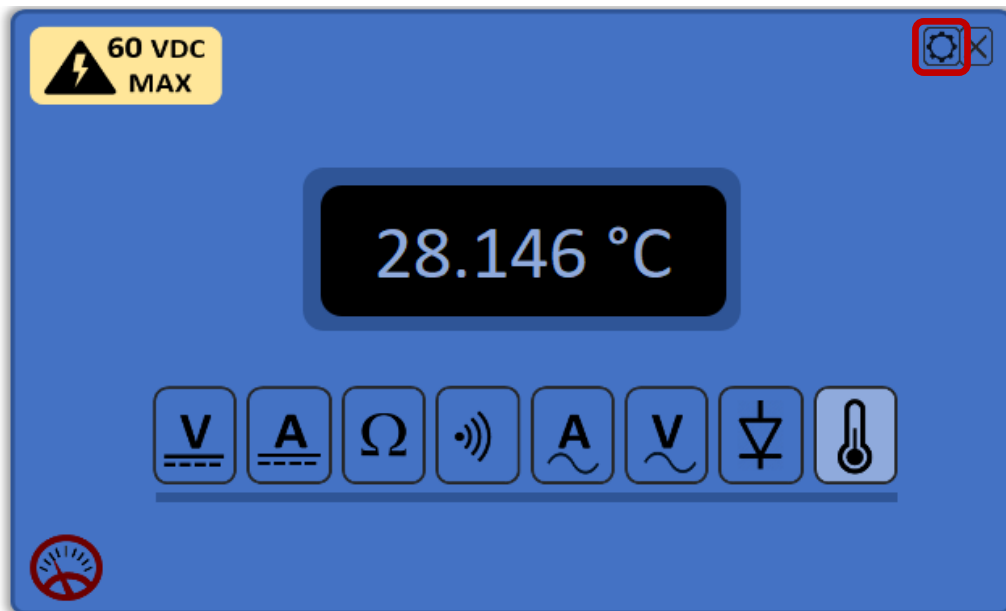

2.4   Multimeter Interface

Once connected, the UI for the DMM will be displayed.

2.5   Multimeter Settings

Ranges and temperature scale can be changed on the settings.

C.   APPENDIX

Bluetooth v4.0 Class 2 with low energy technology

pokitMeter, Model: POK-TRK