

## **Graphical Tester for Otoplastics**

With USB Control

**Installation instructions for  
Windows 10 [from version 1803]**

2021

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## 1 INSTALLING A USB LEAKAGE TESTER

### 1.1 Before you connect the *leakage tester*

Connect to the Internet if the computer is not already connected. Always check if your Windows 10 is up to date. You might manually check for Windows 10 updates e.g.:

- select the **Start**  button > **Settings**  > **Update and Security** 

This installation guide is intended for Windows 10 [version 1803 up]; 32-bit and 64-bit are supported.

### 1.2 Connecting a USB cable to the *leakage tester*

The provided USB cable has two plugs: at the computer side a USB type A and on the tester side a micro USB type B. The *tester* is provided with a micro USB type AB receptacle (jack), so both micro USB type A and B can be applied. On the right you see a photo showing the USB cable with on the right the micro USB type A that should be connected to the *tester*.



Attach the micro-jack to your tester; pay attention to the position: the two tiny ridges on top, the plane side at the bottom. After installation you may connect and unplug your *leakage tester* at will.

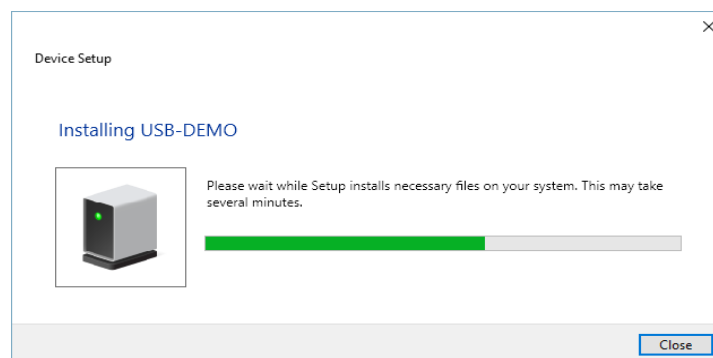
### 1.3 Caution when permanently plugged-in

Some desk- or laptop computers do have circuitry that senses electric leakage through a USB port while powered down. When active, a connected *leakage tester* can cause an error when a user tries to power up the computer. This circuitry is not always active on every USB port, and sometimes can be disabled. If you encounter this problem try to use a different port, otherwise you have to unplug your *tester* every time after use.

### 1.4 Installing USB driver software

Plug the *leakage tester* into a USB port (both USB 2 and USB 3 are supported), the LED on your device will start blinking **red** and Windows 10 will silently (and automatically) connect to the Windows Update website and install any suitable driver it finds for your *device*.

During this installation the notifications on the next page can be seen:



The name of your device will be visible and after a while the LED turns to stable **red** and moments later the *leakage tester* will beep shortly and the LED will turn **orange**, the *Device Setup* screen will close. **This completes the *USB driver* installation for your *leakage tester*.**

## 2 INSTALLING THE USB CONTROL SOFTWARE

### 2.1 Downloading the *standard* control software

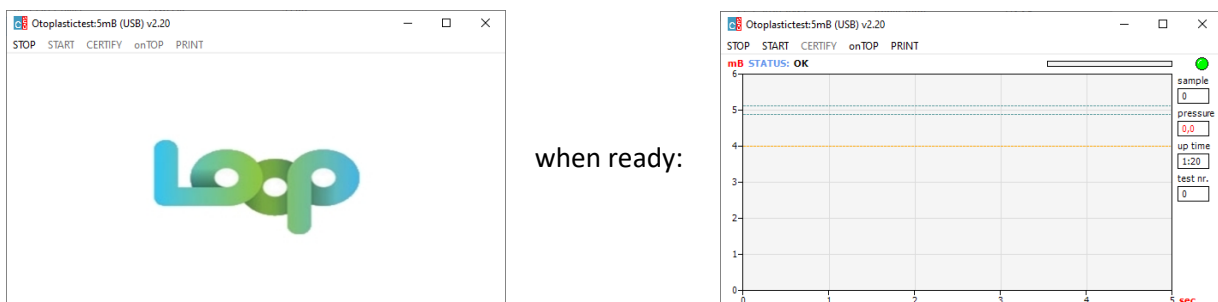
The standard App (*Classic*) for Windows 10 can be downloaded on our site and is stored in a *zip*-file, the name depends on language and version. At this time the *Dutch* version is called **OtoTestUSB2.25\_NL.zip**, URL: <https://www.cursorengineering.nl/software-win-usb/>

The standard software-bundle you are about to install is so-called portable software. This means the software is installed into a directory as a whole and relevant files for running the software live inside this directory. The standard software bundle doesn't change registries nor writes it to some system folder. Therefore you can install (or, better, unpack) the software to any folder you want and run it from there. So, create a new folder (directory) where you want the software for your *leakage tester* to reside, e.g. C:\LeakageTester. Transfer the *zip*-file from your download directory to this new folder and *unzip* it there.

The application resides in the subfolder C:\LeakageTester\OtoTestUSBv2.25\_NL and is called OtoTestUSB[.exe]. You can create a shortcut on your *Desktop*, or *Pin* it to the *Start* screen. If you want to control different *leakage tester* with the same computer, then create separate directories for each tester and distinguish between them by choosing different shortcut names.

### 2.3 Bringing the software into operation

Double-click on OtoTestUSB and the following initialization window appears:



It is possible that at the first time you start the controlling software, Windows 10 might:

- ask you for a **Security Warning** confirmation: *confirm*
- want you to update the **.NET Framework** to 4.0 (min.): follow the instructions  
**note:** newer Framework versions (e.g. 4.5) might not include earlier versions

At the end, your *leakage tester* will beep shortly and the LED will turn to **green**.

**This completes the installation of your *leakage tester* on Windows 10 with the standard software.**

## 2.4 Installing the *UWP* control software

There is also a special Windows 10-only app for the Universal Windows Platform (UWP), URL: <https://www.cursorengineering.nl/app-uwp-usb/>. This page describes how to obtain this app.

## 2.5 Bringing the *UWP* software into operation

After installation, using the UWP version is straight forward, just select your device and you are ready to go. There is an additional guide (OTomanUWP10NL2021) for the UWP app, the URL with USB documents reads: <https://www.cursorengineering.nl/documentatie-usb/>. Below: it looks like this.



Picture 2.5.1: OtoUSB on Windows 10 UWP

## 2.6 Installing the *Android* control software

There is also an app for the Android Platform, all information can be found in our website, the URL reads : <https://www.cursorengineering.nl/app-android-usb/>. After installation via the Google Play Store, the app will start automatically when a USB tester is connected to the Android device (Tablet or Smartphone). Select your device and you are ready to go. There is of course an additional installation guide for the Android app and again the URL with documents reads: <https://www.cursorengineering.nl/documentatie-usb/>. The app looks like this:




Picture 2.6.1: OtoUSB on Android OS

### 3 TROUBLESHOOTING USB CONNECTIONS

#### 3.1 Windows 10 did not install drivers for my *leakage tester*

This version of Windows 10 is very accommodating to detecting and installing drivers for devices, as mentioned detection and installing drivers for a USB device goes smoothly and silently.

Be sure that your system is connected to the internet and that Windows 10 is up-to-date, read §1.1. When there is a problem detecting USB devices there is certainly a problem with the 'Universal Serial Bus controllers', or the 'USB Serial Converter'.

Check: **right-click** the **Start**  button, select *Device Manager*, then, at the bottom of the list, two USB attributes should be visible:

1. Universal Serial Bus controllers
2. USB Serial Converter

ad. 1: if this item is not visible or incomplete you have to restart Windows, because it will always reload the USB drivers during power-up.

ad. 2: if this item is **not** visible, and your *Leakage Tester* is physically connected, right-click on 'Universal Serial Bus controllers' and click 'scan for hardware changes'.

If this item is visible: right-click 'USB Serial Converter' and select 'Uninstall device' the check 'Delete the driver software for this device' and click the [Uninstall] button. Again right-click on 'Universal Serial Bus controllers' and click 'scan for hardware changes'.

These operations force this version of Windows 10 to install your device again.




The device should now work properly.

#### 3.2 USB Serial Converter *still not visible*

When Windows still complains that the tester doesn't have a driver then, in the *Device Manager*, right-click the 'Leakage Tester USB<sub>xxxx</sub>' (the one with the trouble triangle) and click *Update driver* and let Windows *Search automatically for drivers* then proceed to *Search for updated drivers on Windows update*: click *View optional updates*, then > *Driver updates*: in the list check *FTDI – USB – [version]* thereafter click the button *Download and install*.

#### 3.3 Finding device properties

If you want to locate your *leakage tester* on your system try this:

- select the **Start**  button > **Settings**  > **Devices**  > Bluetooth and other devices

The *leakage tester's* properties can be found by clicking *Devices and printers* (in the list Related settings) and your tester appears at the bottom under *Unspecified devices* (x). Select *Properties* after right-clicking your device.