

Owczarek Test Station (OTS)

User Manual

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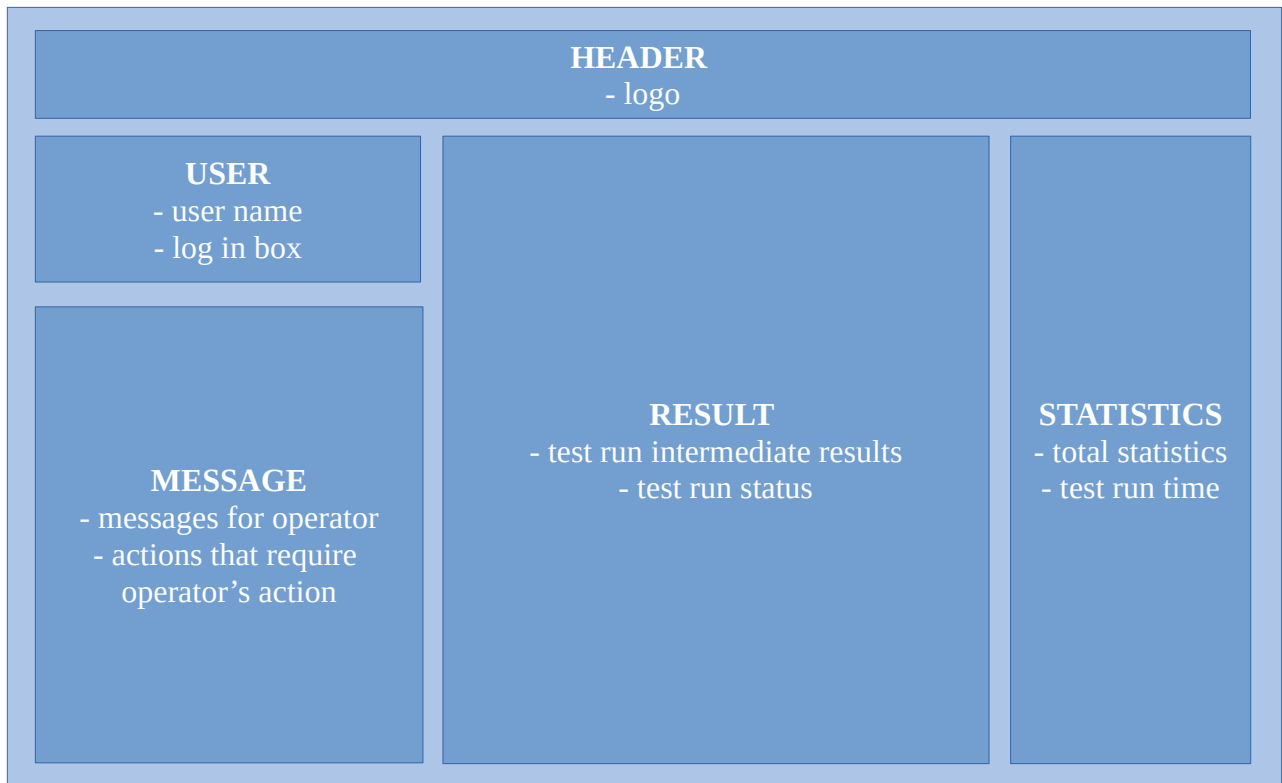
1 Introduction

This document describes how to use OTS (Owczarek Test System). OTS is an application created to perform and evaluate automatic tests. It executes selected test method, evaluate results with limits and saves it into text report files.

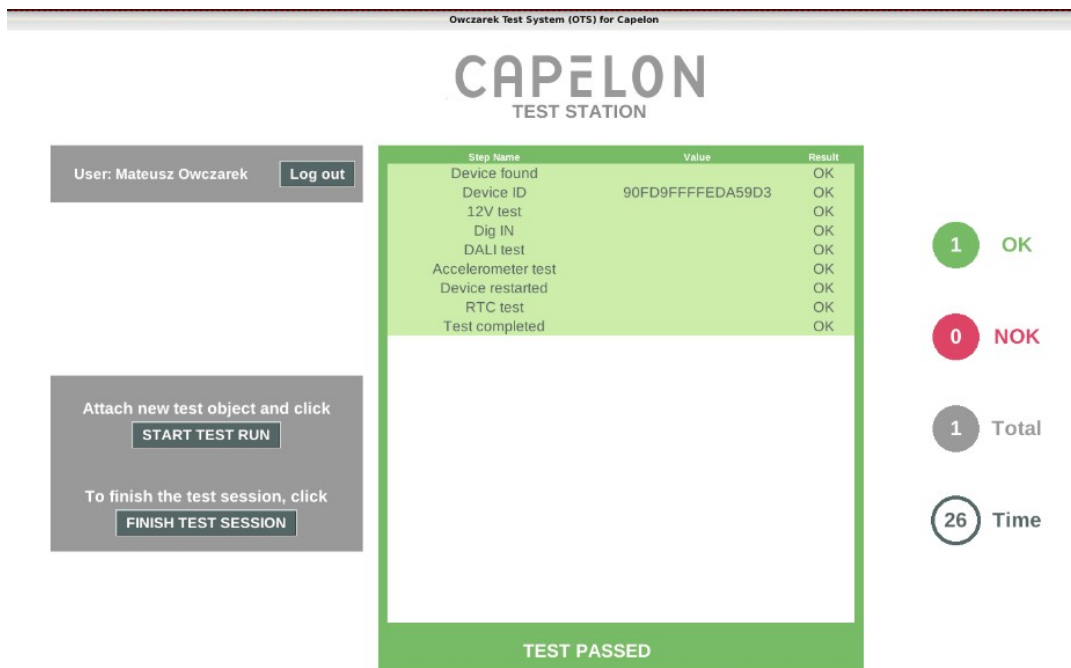
The document explains elements of the user interface and instructs how to perform most common operations.

2 User interface

The user interface is divided into several areas – each responsible for specific task:



This is how it looks in the real application:



More specific explanation of particular interface elements is available in *Use cases* chapter in subchapter concerning this element.

3 Use cases

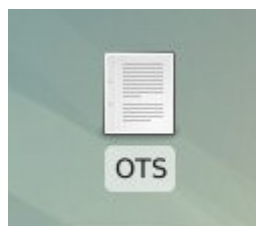
The most common use case involves:

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They are described in subchapters below.

3.1 Start application

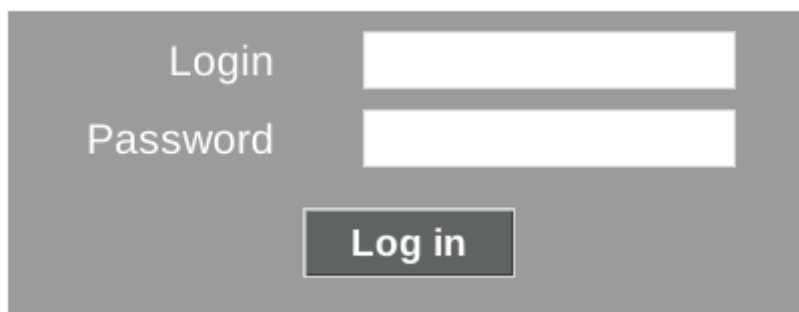
To start application, double-click its shortcut on the desktop



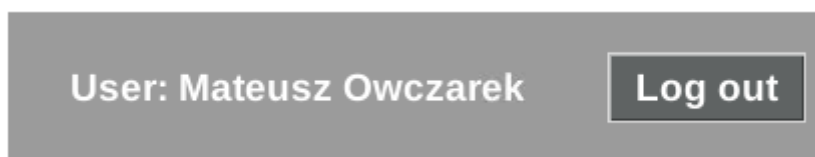
The application will be launched and the main screen will be displayed.

3.2 User log in

To perform any action, an authorized user must be logged in. To log in, enter login and password into log in box in the USER area.

A gray rectangular box containing a login form. It has two input fields: the top one is labeled 'Login' and the bottom one is labeled 'Password'. Below these fields is a dark gray button with the text 'Log in' in white.

If credentials are correct, the authorization is finished successfully and USER area displays the full name of the logged user:

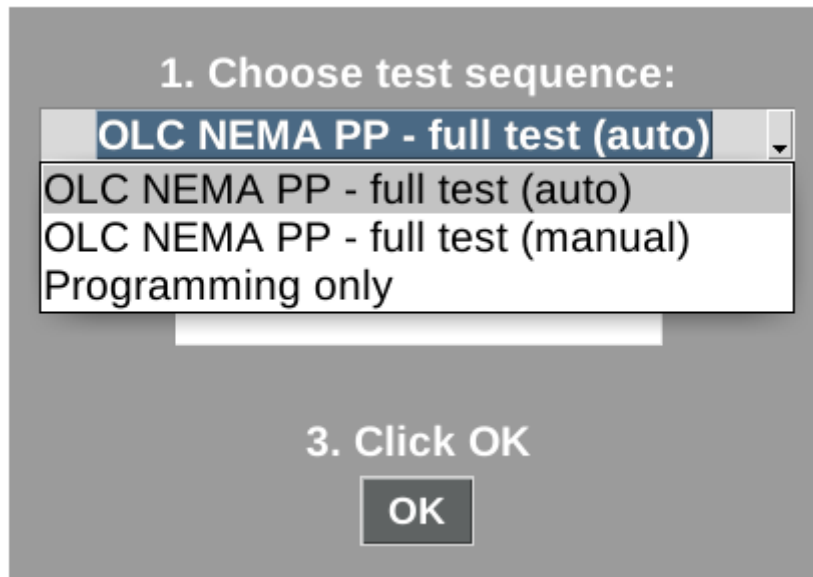
A gray rectangular box representing the user area after login. It displays the text 'User: Mateusz Owczarek' in white. To the right of this text is a dark gray button with the text 'Log out' in white.

Otherwise, the 'wrong login or password' message is displayed.

3.3 Start test session

To start a test session:

3.3.1 Choose test method



1. Choose test sequence:

OLC NEMA PP - full test (auto)

OLC NEMA PP - full test (auto)

OLC NEMA PP - full test (manual)

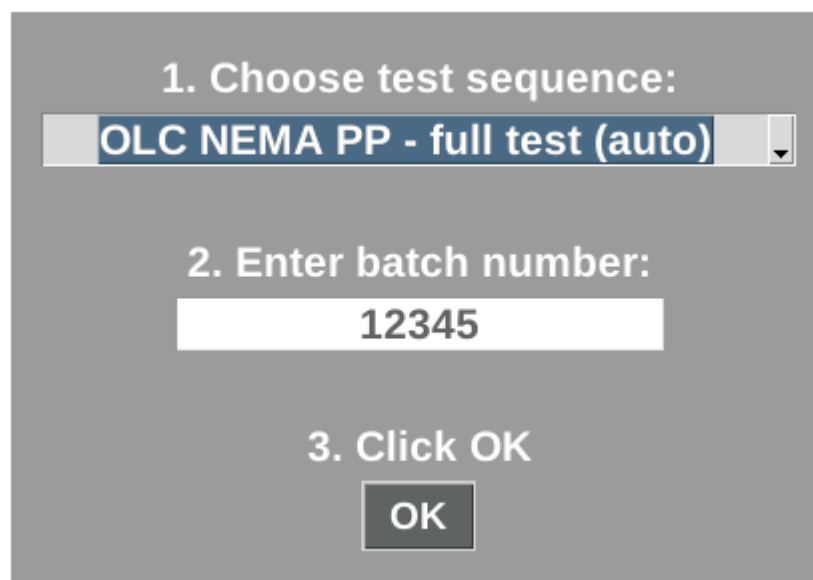
Programming only

3. Click OK

OK

This field cannot be left blank.

3.3.2 Enter batch number



1. Choose test sequence:

OLC NEMA PP - full test (auto)

2. Enter batch number:

12345

3. Click OK

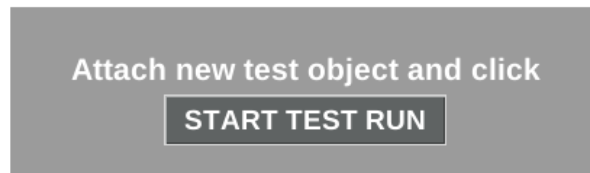
OK

3.3.3 Click OK

3.4 Perform test run

When the test session is already started, you can start test run.

Following message is displayed.



To continue:

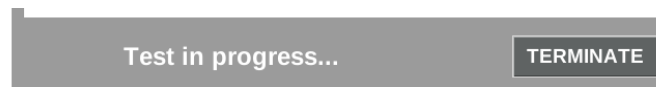
3.4.1 Attach object to test into the fixture

3.4.2 Click START TEST RUN

3.4.3 Test is being executed

In the RESULT area intermediate steps results are being displayed and updated.

At the bottom of this area there is a status bar displaying current status (IN PROGRESS, PASSED, FAILED, TERMINATED) and TERMINATE button.



MESSAGE area presents a short information about current actions or requests the operator to perform some actions.



3.4.4 Test finishes

There may be several reasons of the test run to finish its execution:

3.4.4.1 *Test passed*

If test run finishes successfully, the RESULT area is highlighted green and appropriate test run status is being displayed.

Step Name	Value	Result
Device found		OK
Device ID	90FD9FFFFEDA59D3	OK
12V test		OK
Dig IN		OK
DALI test		OK
Accelerometer test		OK
Device restarted		OK
RTC test		OK
Test completed		OK

TEST PASSED

3.4.4.2 Test failed

If test run fails, the RESULT area is highlighted red (excluding intermediate steps that passed) and appropriate test run status is being displayed.

Step Name	Value	Result
Device found		OK
Device ID	90FD9FFFFEDA59D3	OK
12V test		OK
Dig IN		OK
DALI test		OK
Accelerometer test		OK
Device restarted		NOK
Test completed		NOK

TEST FAILED

3.4.4.3 Test terminated

To terminate current test run during it execution, click TERMINATE button. The test stops and displays appropriate message:



3.4.5 Start next test run or finish test session

When the test run is over, the following message box displays:



To start next test run, remove the tested object from the fixture and follow again instructions from chapter *Perform test run*

To finish the current test session, click FINISH TEST SESSION. When the session is finished you can start a new one with different test method and/or batch number (follow instructions from chapter *Start test session*)

3.4.6 Extra: statistics

In the STATISTICS area there are four statistics being dynamically updated:



OK

- number of total passed (OK) test runs



NOK

- number of total failed or terminated (NOK) test runs



Total

- number of total test runs

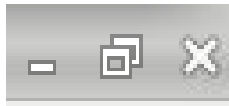


Time

- time [s] of the current test time

3.5 Close application

To close the application click X button in the top right corner of the window.



It will:

- terminate the current test run (if any)
- end the test session (if started)
- log out user (if logged)
- close the application