

DIGITAL INDUSTRIES SOFTWARE

Simcenter Testlab Instrumentation App

Simcenter/TL-APP-0010/2406/240514

Product Information Sheet

Summary

The Simcenter Testlab instrumentation App is a native Android App that allows users to connect to the Simcenter Testlab (running in the computer) through a tablet or smartphone for filling in channel setup in the Simcenter Testlab Acquisition Applications during test instrumentation phase.

Reduce testing time and limited time spent on correcting attributes of measured data are key for the efficiency and productivity of most of the testing task.

In practice, technicians use paper to take note while instrumenting the test object. The information need to transfer back to the software later on. Sometimes, a paper might get lost and errors appeared while misreading the handwriting.

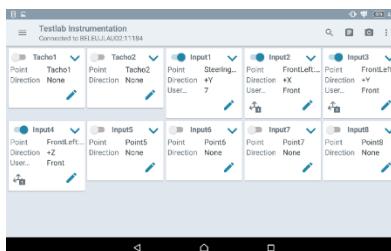
BENEFITS

- Increases personal efficiency by simplifying repetitive tasks with dedicated graphical user interface
- Reduces risk of making errors by transferring information immediately to Simcenter Testlab
- Make documentation with picture ever easier
- Increases users mobility by providing them freedom to move around, under and inside test object

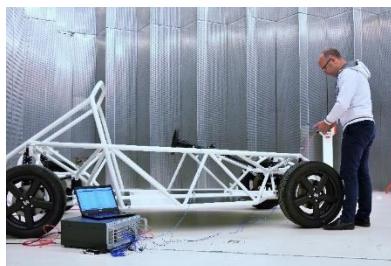
FEATURES

- Touch-centric App in both landscape and portrait mode
- Change channel parameters
- Automatic lookup in sensor database
- Take pictures

With a tablet or a smart phone in hand, technician can move freely around test object and even in a not easily accessible area. The Simcenter Testlab Instrumentation App allows technician edit and read Channel Setup of Simcenter Testlab Acquisition Applications while instrumenting the test object, without bookkeeping information in paper to avoid any copy error later.



Channels Overview in landscape mode



With help of some embedded functionality in the Simcenter Testlab Instrumentation App, it makes test instrumentation easy and handy, such as automatic lookup in a predefined sensor database in the Simcenter Testlab when user provides serial number of the sensor.

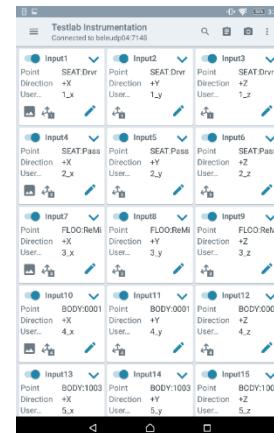
In addition, pictures taken with the Simcenter Testlab Instrumentation App are also directly transferred to the Simcenter Testlab project for documentation and reporting purposes.

The Simcenter Testlab Instrumentation App works closely with the Simcenter Testlab Acquisition Application in both offline (no Simcenter SCADAS frontends hardware connected) or

frontend mode (connected to a Simcenter SCADAS Frontend hardware) when the two applications are connected to the same wireless network.

Channels overview

The Channels overview allows user to see all the channels with user-defined favorite parameters. These parameters can also be ordered according to user's need. Each channel is represented as a card, it can be quickly switched on or off, picture icon and multiple-channel icons (for example, triax sensor) are present allow user to have a quick overview on all channels.



Channels overview in portrait mode

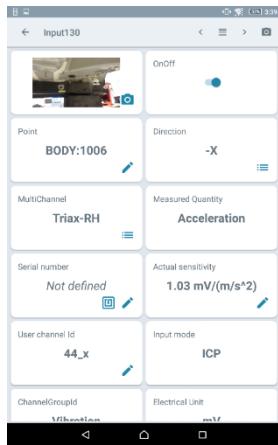
Zoom and un-zoom user-interface allows user to optimize visualisation of all channels. User can also choose to show all or only "on" channels. Intelligent filter allows user to quickly access some specific channels.

User can take pictures of the whole test object for documentation, these pictures will be annotated and transferred to the Simcenter Testlab project immediately.

Channel view

Each channel can be edited in channel view. User can easily scroll through all the channels one after each other for sequential viewing and editing.

The most useful parameters are shown for viewing or editing during instrumentation phase. While the parameters allow, user can either manually edit a value or select a value of a pre-defined list defined. Especially for serial number, user can also scan a QR or barcode.



Channel view in portrait mode
An automatic lookup can be established with a predefined EXCEL file. This file can contain, for example, list of "Point id" such that user will not need to edit manually "Point id" value.

User can take pictures for each channel, these pictures will be annotated and transferred to the Simcenter Testlab project immediately. If multi-channel, such as tri-axial, is defined, the same picture can be assigned to the 3 channels corresponding to the triax sensor.

Product status

- Support Android 7 and higher
- Available license configuration: Node-locked only

Product requires

- Simcenter Testlab Acquisition Applications (Classic or Neo)
- SCx-TAB Tablet for Simcenter Testlab App