

TopCon Series

TC.P + TC.G

LabVIEW SAS Access

Regatron AG
Kirchstrasse 11
CH-9400 Rorschach
Tel +41 71 846 67 44
Fax +41 71 846 67 77
www.regatron.com
tc.support@regatron.ch

Getting Started

Version V 1.00

© 2010- 2018 Regatron AG

This document is protected by copyright.

All rights, including translation, re-printing and duplication of this manual or parts of it, reserved. No part of this document is allowed to be reproduced or processed using electronic systems, copied or distributed in any form (by photocopying, microfilming or any other process), also not for educational purposes, without the written approval of Regatron AG.

This information in this documentation corresponds to the development situation at the time of going to print and is therefore not of a binding nature. Regatron AG reserves the right to make changes at any time for the purpose of technical progress or product improvement, without stating the reasons. In general we refer to the applicable issue of our “Terms of delivery”.

LabVIEW is registered trademark of National Instruments, USA.
Windows is registered trademark of Microsoft Inc., USA.

Overview of versions		
Operating instructions / programming handbook	Version	V 1.0
TC API	Version	1.0.2.433

All information is subject to technical changes without prior notice.

Content

Content	3
1. Overview	4
1.1. Content	4
1.2. Precondition / Dependencies	4
2. LabVIEW Access	5
2.1. VI Files	5
2.2. API DLL	5
2.3. General Recommendations	5
2.3.1. Basic Init VI	5
2.4. Examples (..\Example)	5
3. Change log	6

1. Overview

With the TopCon SAS the Liverviewer can be integrated into the existing LV projects.

It cannot substitute the SAS PC Software, but offers some methods to automate certain operations.

The main configuration and error analysis can only be done with the SAS software.

1.1. Content

This document provides a guideline how to access the TopCon SAS LabVIEW VI's.

1.2. Precondition / Dependencies

To be able to use the TopCon LabVIEW API and the TopControl software must not be installed on the system.

Important: The SAS plugin needs the TopCon API LV library!!

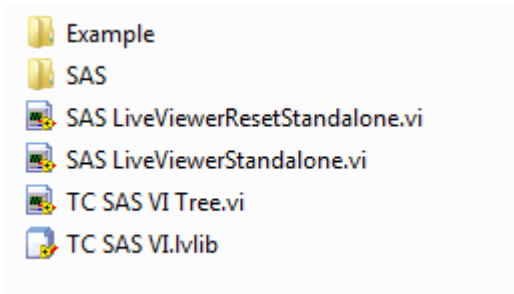
For more Information read the Software Manual witch you can found in the TopControl software or in the SAS Control menu -> Help.

2. LabVIEW Access

There is a LabVIEW VI library to access the SAS Device.

One Examples are delivered and can help to get your first LabVIEW program running.

2.1. VI Files



2.2. API DLL

Please download the latest version of the TopCon API and TopCon API LV.

2.3. General Recommendations

To access the API from LabVIEW, there are some points to mention.

2.3.1. SAS Live Viewer

SAS Live Viewer:

The init must be open, then the live viewer can be started sporadically.



SAS Live Viewer Reset: Restarte der MPP on the Device



2.4. Examples (..\Example)

The LabVIEW test Examples are provided to show how to access the TC SAS liveviewer VI's.

The examples are for LabVIEW 2015 and LabVIEW 2009.

3. Change log

This change log contains a list of changes in the previous versions of the documentation

Version	Date	Changes in documentation
1.00	2018-06-21	Initial documentation



Address: Feldmühlestrasse 50
CH-9400 Rorschach
WWW: www.regatron.com
Email: tc.support@regatron.ch

Tel: +41 71 846 67 44
Fax: +41 71 846 67 77