Item description

The *e!COCKPIT* Profiler add-on allows programmers and application developers to measure and evaluate the processing times and code coverage of different blocks in an IEC 61131-3 application at an early stage. This add-on can be seamlessly integrated into the *e!COCKPIT* Engineering Software. Measurement may be performed parallel to the application development in the standard development environment.

Benefits:

- Measure both machine code's runtime behavior and code coverage right at the beginning of the development phase
- Detect runtime problems at an early stage
- Identify both time-consuming program parts and unused programming blocks
- Overall and individual measurement of all application blocks
- Identify the code efficiency by comparing historical and current measurements
- Increase the software quality

Main Functions:

- Implicit binary code extension during translation, without changing the program code of a project
- Dynamic measurement via code instrumentation at each function entry and exit
- Only during measurement: temporary code enlargement and runtime extension of 10 to 50%
- Measurement start via variable or command
- Overview of the measurement results in the development environment

Functions:

- Control the runtime measurement via freely selectable Boolean variable
- Measure the runtime of individual programming blocks and function block instances within the "profiler watch list"
- Measure the percentage of missed instructions per block via code coverage
- Measurement results show the time-critical path

Setting options:

Subject to changes. Please also observe the further product documentation!

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

- Select the task to be measured

- Select the unit base (tick, milliseconds or microseconds)

- Define the memory size required for the measurement

- Adjust the measurement behavior (next or maximum cycle)

- Select the calls to be measured in the monitoring list

- Select the program blocks to be measured to determine the code coverage

Detailed results:

- Percentage of time spent in the call

- Total time spent in call

- Average time of all POU calls in a single cycle

- Minimum and maximum processing time over multiple cycles

- Number of calls

- Time spent for each call

- Standard deviation of average measured time

- Percentage of the iterated code

Display the results as:

- Summary table

- Call tree (time- or process-oriented)

- Tables

- Watch list

Data
System requirements

Hard disk space	min. 30 MB
Other required software	*e!COCKPIT* version: V1.4.0

Delivery

License type	Single-user license
Delivery type	Installation file (download)
License type (note)	A single license allows installation on one computer.
License type (note) (2)	Internet connection may be required for license activation.
Licence Generation	DRM

Commercial data

eCl@ss 10.0	27-24-25-01

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

eCl@ss 9.0	27-24-25-01
ETIM 8.0	EC000809
ETIM 7.0	EC000809
PU (SPU)	1 pcs
Country of origin	QU
GTIN	4055143708296
Customs tariff number	88888888888

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads
Documentation

Bid Text

2759-404/1420-1000 X81 - Datei	2019 Feb 19	xml 7.4 kB	Download
2759-404/1420-1000 docx - Datei	2019 Jan 10	docx 18.4 kB	Download

System Description

Software – General Product Information		pdf 377.6 kB	Download

Engineering-Software

e!COCKPIT Add-On

e!COCKPIT Profiler V 1.2.0	V 1.2.0 2018 Feb 26	URL 2.8 MB	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2759-404/1420-1000 e!COCKPIT Profiler; Single License		URL	Download

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG	Do you have any questions about our products?
Hansastr. 27	We are always happy to take your call at +49 (571) 887-44222.
32423 Minden	
Phone: +49571 887-0	Fax: +49571 887-169	
Email: info.de@wago.com	Web: www.wago.com	

Installation Notes

Subject to changes. Please also observe the further product documentation!

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.