PiWeb reporting
PiWeb reporting plus

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1 What is PiWeb reporting?

1.1 Brief description

A new reporting system was integrated into CALYPSO 2015, CALIGO and O-SELECT software. PiWeb reporting joins PiWeb reporting plus, PiWeb sbs (sbs = small business solution) and PiWeb enterprise as part of the new PiWeb family.

PiWeb reporting will be the future reporting standard at Carl Zeiss Industrielle Messtechnik GmbH. Development of other types of documentation will be discontinued at a date to be determined. Corresponding information will be published in good time.

1.2 Benefit

Users will profit from a number of new functions that accompany PiWeb reporting and PiWeb reporting plus. One of the key properties of the new PiWeb family is its scalability: this means that companies can grow from local reporting solutions on the individual machines up to multiple-machine reporting systems. This then becomes a global solution in the full version of PiWeb enterprise.

1.3 Details

PiWeb reporting features the following functions:

- Value progression: the last 10 measurements can be graphically exported
- Grid and line diagrams
- Interactive reports: using any number of features or characteristics in the report, it is possible to jump directly to the corresponding feature in the measurement plan.
- When selecting features or characteristics in the report, the corresponding features are shown in the CAD window.
- Plot displays can be easily shown and hidden to provide a more detailed statement about the measurement results.
- The work log can also be exported.
- Multiple, pre-defined standard reports are available to enable users to fully utilize the strengths of PiWeb.
2 What is PiWeb reporting plus?

2.1 Brief description

PiWeb reporting plus is a separate, paid option. PiWeb reporting plus primarily adds statistical functions to the scope of functions for reporting in CALYPSO, CALIGO and O-SELECT.

2.2 Benefit

PiWeb reporting plus enables the easy generation of statistical reports and adds corresponding parameters and illustrations to the standard reports in PiWeb reporting.

2.3 Details

PiWeb reporting plus generally benefits from all improvements and basic functions of PiWeb reporting. In addition, it offers the most important and known functions of PiWeb FlexReporter.

PiWeb reporting plus features:

- A stand-alone user interface to easily open reports without opening the measuring application
- Gauge R&R
- Extensive reporting templates
3. PiWeb reporting (plus) and other IMT reporting solutions

### 3.1 Why is there a new reporting solution?

ZEISS PiWeb was developed to make the display and analysis of your measurement data easier than ever. Performance, flexibility and intuitive operation make it the best system in its class. Informative diagrams, statistical analyses and CAD displays visualize your measurement data and allow you to optimally monitor all your production processes.

With the development of PiWeb reporting and PiWeb reporting plus, Carl Zeiss Industrielle Messtechnik GmbH is taking a new approach and enabling for the first time full scalability of reporting solutions from a stand-alone station up to globally networked corporate reports. Furthermore, PiWeb reporting (plus) is better integrated in applications such as CALYPSO, CALIGO and O-SELECT. The latest technical possibilities were fully utilized in this solution which thus replaces its predecessors PiWeb BasicReporter and PiWeb FlexReporter.

### 3.2 Will PiWeb reporting be the new standard at IMT?

Yes. With PiWeb reporting (plus), IMT is providing a new reporting solution that integrates the known functionalities of existing products, but also offers additional strengths and functionalities.

### 3.3 What is the difference between PiWeb reporting and PiWeb BasicReporter?

PiWeb reporting has the following features:

- Better integration in the application
- The last 10 measurements, including value progression are available
- Extensive reporting templates
- More graphic possibilities

### 3.4 What is the difference between PiWeb reporting plus and PiWeb FlexReporter?

PiWeb reporting plus has the following features:

- Better integration in the application
- Gauge R&R
- Extensive reporting templates
- Powerful foundation for future extensions

### 3.5 What do PiWeb reporting (plus), PiWeb sbs and PiWeb enterprise have in common?

PiWeb reporting joins PiWeb reporting plus, PiWeb sbs (sbs = small business solution) and PiWeb enterprise as part of the new PiWeb family. Data from PiWeb reporting and PiWeb reporting plus can be forwarded to a higher-ranking PiWeb family. Therefore, the reporting solution with PiWeb can grow with your company and increasing requirements in the future.
<table>
<thead>
<tr>
<th>Function/product</th>
<th>PiWeb reporting</th>
<th>PiWeb reporting plus</th>
<th>PiWeb sbs</th>
<th>PiWeb enterprise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Run automated tasks (email alerts, server tasks)</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>MS SQL server databases (Express, Standard, Enterprise) supported</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Oracle databases supported</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Multiple database configurations</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Max. number of measurements per part (measurement plan)</td>
<td>Unlimited</td>
<td>Unlimited</td>
<td>Unlimited</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Max. database size</td>
<td>4GB/ part</td>
<td>4GB/ part</td>
<td>10GB</td>
<td>Unlimited</td>
</tr>
<tr>
<td>Integration of database from a network directory</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Security**
- Encrypted communication (https): No, No, Yes, Yes
- Integrated user and rights management: No, No, Yes, Yes
- Active directory user login: No, No, Yes, Yes

**Statistics**
- Company-specific Cp/Cpk calculation (VW): No, No, No, Yes
- Measuring system analysis: No, Yes, Yes, Yes

**Report design & content**
- Flexible report design with design module: Yes, Yes, Yes, Yes
- Display and save CALYPSO form plots: Yes, Yes, Yes, Yes
- CAD model in reports: Yes, Yes, Yes, Yes
- Interactive CAD view with measurement data on CAD model: No, No, Yes, Yes

(1) Standard in CALYPSO, CALIGO and O-SELECT
(2) Separate option for CALYPSO, CALIGO and O-SELECT
(3) Small business solution package comprised of
   - 1x PiWeb server (always PC-bonded)
   - 1x PiWeb Planner
   - 1x PiWeb Designer
   - 3x PiWeb Monitor
   - 1 year software maintenance agreement for the entire package
(4) Can be tailored to customer requirements
4 External communication – contractual

4.1 Will the new PiWeb reporting and the old PiWeb FlexReporter run in parallel or will PiWeb FlexReporter by replaced by PiWeb reporting?

PiWeb reporting and PiWeb reporting plus are the new standards for reports within measurement applications. For this reason, PiWeb reporting and, optionally, PiWeb reporting plus will be the new standards. However, during the transition phase both products will be available.

If you as a CALYPSO or CALIGO software customer download the new CALYPSO 2015 and own a PiWeb FlexReporter license, you will receive both licenses with CALYPSO 2015. (PiWeb FlexReporter and PiWeb reporting plus)

In the future, the new PiWeb reporting plus price will be incorporated into the software maintenance agreement.
PiWeb FlexReporter will be delivered free of charge. PiWeb reporting plus and PiWeb FlexReporter can used in parallel for the time being?

4.2 Can customers still buy PiWeb Flex Reporter?

No.

Only the new PiWeb reporting plus will be sold.

4.3 PiWeb reporting plus costs less than PiWeb FlexReporter – how is this invoiced for customers with a software maintenance agreement?

The price for the lower-priced PiWeb reporting plus will be incorporated into the next invoice.
5 PiWeb reporting plus – functionality questions

5.1 Until now, I have been using the standard reports in CALYPSO (presentation report, compact report). Can I generate the same reports with PiWeb reporting (plus)?

PiWeb reporting (plus) comes with a number of report templates whose structure and content are based on the known reports from CALYPSO. Compared to standard reports, these reports offer a number of additional options to configure and print the reports.

Furthermore, it will still be possible to use the internal CALYPSO reports for the time being. In the future, PiWeb reporting (plus) will contain all key reporting functions known from the current CALYPSO and will therefore replace the older solutions.

5.2 What do I do with my existing PiWeb FlexReporter data after switching to CALYPSO 2015 and thus PiWeb reporting plus?

Existing PiWeb FlexReporter data can be used with CALYPSO 2015 and PiWeb FlexReporter.

New PiWeb reporting plus data generated with the new interface in CALYPSO 2015 will be used with the new PiWeb reporting/PiWeb reporting plus tool.

We recommend using the new PiWeb tools from CALYPSO 2015 and generating new measuring programs and reports with PiWeb reporting.

5.3 Is it possible to analyze data on a different station with PiWeb reporting plus?

No.

PiWeb reporting plus is an option for a KMS local station. The data can only be used/analyzed at this station. The PiWeb sbs network solution can be used to analyze data from different KMS systems.

5.4 Can existing PiWeb reporting plus report templates be used with PiWeb sbs and PiWeb enterprise?

Yes.

The layout of the report template can be used in any case; the data connections must be modified.

If the report was drafted for further use (e.g. the generic reports of PiWeb reporting in CALYPSO), it is possible to use it.

It is important to note that the attribute used in both variations (PiWeb reporting plus and PiWeb sbs) must be available for all functions (filtering, line templates in the report, etc.) that use specific attribute fields.

5.5 Can existing PiWeb FlexReporter data be used with PiWeb reporting plus?

No.

The development of the new PiWeb reporting made it necessary to change the existing data structures. We recommend using the new PiWeb tools from CALYPSO 2015 and generating new measuring programs and reports with PiWeb reporting. Transitionally, it is possible to use PiWeb FlexReporter to view older data. In this case, PiWeb FlexReporter is available free of charge.

5.6 Can existing PiWeb FlexReporter/BasicReporter report templates data be used with PiWeb reporting/reporting plus?

Because the solutions of BasicReporter and FlexReporter in CALYPSO and CALIGO work differently, the answer is different for each program:

- With CALYPSO, it is not possible to continue using existing report templates.
- The templates can still be used with CALIGO.
PiWeb FlexReporter will continue to be delivered with CALYPSO and can be used to display and analyze data.

It is recommended to generate new report templates with the new products.

5.7 **How can I edit my report header?**

Enclosed report templates contain a standardized report header. You can modify these headers using the PiWeb designer and save the new report templates.

5.8 **Where can I define new report header variables?**

PiWeb reporting, PiWeb reporting plus and PiWeb sbs come with a common set of report header variables. These should be sufficient in almost all cases.

5.9 **How do I enter the values for the report header variables during a run?**

This has not changed since the previous solutions.

5.10 **Will GEAR PRO and BLADE PRO be replaced by PiWeb reporting?**

Not now.

5.11 **What components belong to PiWeb reporting (plus)? (PiWeb Monitor, Designer)**

PiWeb reporting (plus) is integrated in the application and contains the functionality of Designer and Monitor, but it is controlled directly via the application.

5.12 **Is the PiWeb reporting solution in CALYPSO the same as in CALIGO?**

Yes

One of the goals of the new reporting solution is to be able to use reports across applications. It goes without saying that the functions of PiWeb reporting can be accessed in different ways in the CALYPSO and CALIGO interfaces.

5.13 **Can multiple machines use the same database?**

This is possible with PiWeb sbs and, of course, PiWeb enterprise. However, PiWeb reporting (plus) only works on the local machine.

5.14 **What can I configure in my database and when do I have to do it?**

With PiWeb reporting and PiWeb reporting plus, the database is configured automatically. There is a server configuration with PiWeb sbs and PiWeb Planner as the central tool for administration.

5.15 **Can I back up my database with PiWeb reporting (plus)?**

Yes

This requires a normal backup of the application data.

5.16 **Can I prevent data from being written to the PiWeb reporting database during the run?**

Yes

This can be configured when programming the measuring run via the individual settings in the run (CNC).

5.17 **What happens when the PiWeb reporting (plus) database is full? How can I make additional measurements and what happens to the existing data?**

PiWeb automatically deletes old measurements so that the database does not get too big. Alternatively, the maximum number of measurements can be explicitly specified by the user.
5.18 Can I open old measurement results?
Yes
This can be done via the measurement search in Monitor and via the stand-alone interface of PiWeb reporting in CALYPSO.

5.19 Can I export the results directly from the database?
Export is not possible in PiWeb reporting.

5.20 Can I expand measurements if new dimensions are added to the measurement plan following changes to the drawing?
Yes
This is done automatically by the measuring application.
## 6 Further Information

### 6.1 Are there any product videos for ZEISS PiWeb?

Yes.

YouTube channel: **PiWeb**

[https://www.youtube.com/playlist?list=PLMjGCcUyqpxaEa0Kgy5m6f81A3DLeiyaj](https://www.youtube.com/playlist?list=PLMjGCcUyqpxaEa0Kgy5m6f81A3DLeiyaj)

### 6.2 Who do I contact for PiWeb reporting/reporting plus support?

Please contact the support hotline for the respective measuring software: CALYPSO, CALIGO or O-SELECT.

### 6.3 FAQ for our products

For more information and FAQ about our products, please go to the following webpage.

[http://faq.metrology.zeiss.com/hc/de](http://faq.metrology.zeiss.com/hc/de)