

Software

ebro® offers exactly the software you need:

- Evaluation software for any applications:
Winlog.pro
- Evaluation software for EBI 25 data loggers:
Winlog.web
- Evaluation software for pharmaceutical and medical applications:
Winlog.med and Winlog.validation

Software/Features	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
Event Triggered Recording	●	●	●	●
Script-Calculations	●			●
System-Scripts	●			
Picture Manager	●		●	
Measure in Charts	●			
Cursor	●	●	●	
Realtime Calculations	●	●	●	●
Ranges	●	●	●	
Range-based Calculations	●	●	●	
Statistics per Range	●	●	●	
Relative Time Axis	●			
Configurations	●	●(2)	●(2)	
Firmware-Update	●	●	●	●
Import	●(1)			
Calibration	●	●	●	
Automatic File Name Generation	●			
21 CFR Part 11	●	●	●	●
User Administration	●	●	●	●
Audit-Trail	●	●	●	●
Advanced Chart Features	●			
Multi Document Support	●	●	●	
Export (Excel, PDF)	●	●	●	●
Customizable Company Logo	●	●	●	●
Wireless Support	●	●	●	●
2D Placement	●		●	●
3D Placement			●	
Routine Check	●(3)	●	●	
Validation	●(3)		●	
Unit Administration	●	●	●	●
Split Measurements	●	●	●	
Advanced Alarm-Management (Zones)	●(5)			
App Winlog.mobile				●
IQ/OQ	●		●	●

(1) Winlog.validation
(2) Template based

(3) Manual
(4) Since V2.5
(5) EBI 310 only

(6) Since V2.6
(7) Since V3.3
(8) Since V3.5

(9) Since V2.8
(10) Since V3.7



Supported Logger Types	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
EBI 10	●	●	●	
EBI 11	●	●	●	
EBI 12	●(9)	●(10)	●(10)	
EBI 16		●(8)	●(8)	
EBI 20	●	●(7)	●(7)	
EBI 25				●
EBI 40	●	●(7)	●(7)	
EBI 100	●	●	●	
EBI 310	●(6)	●(7)	●(7)	
CT 830	●	●	●	
PHT 830	●	●	●	

System Requirements	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
Windows 7 / 32 bit	●	●	●	●
Windows 7 / 64 bit	●	●	●	●
Windows 8 / 32 bit	●	●	●	●
Windows 8 / 64 bit	●	●	●	●
Windows 10 / 32 bit	●	●	●	●
Windows 10 / 64 bit	●	●	●	●
Memory	≥ 1GB	≥ 1GB	≥ 1GB	≥ 4 GB
Hard Disc Memory	≥ 300 MB	≥ 1 GB	≥ 1 GB	≥ 20 GB
CD/DVD Drive	●	●	●	●
Screen Resolution	≥ 1024x768	≥ 1024x768	≥ 1024x768	≥ 1024x768
Processor	Pentium 1GHz+	Pentium 1GHz+	Pentium 1GHz+	Dual Core 2 GHz+

Market Overview	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
Food	●			●
Industry	●		●	●
Pharmaceutical	●		●	●
Medical	●	●	●	●

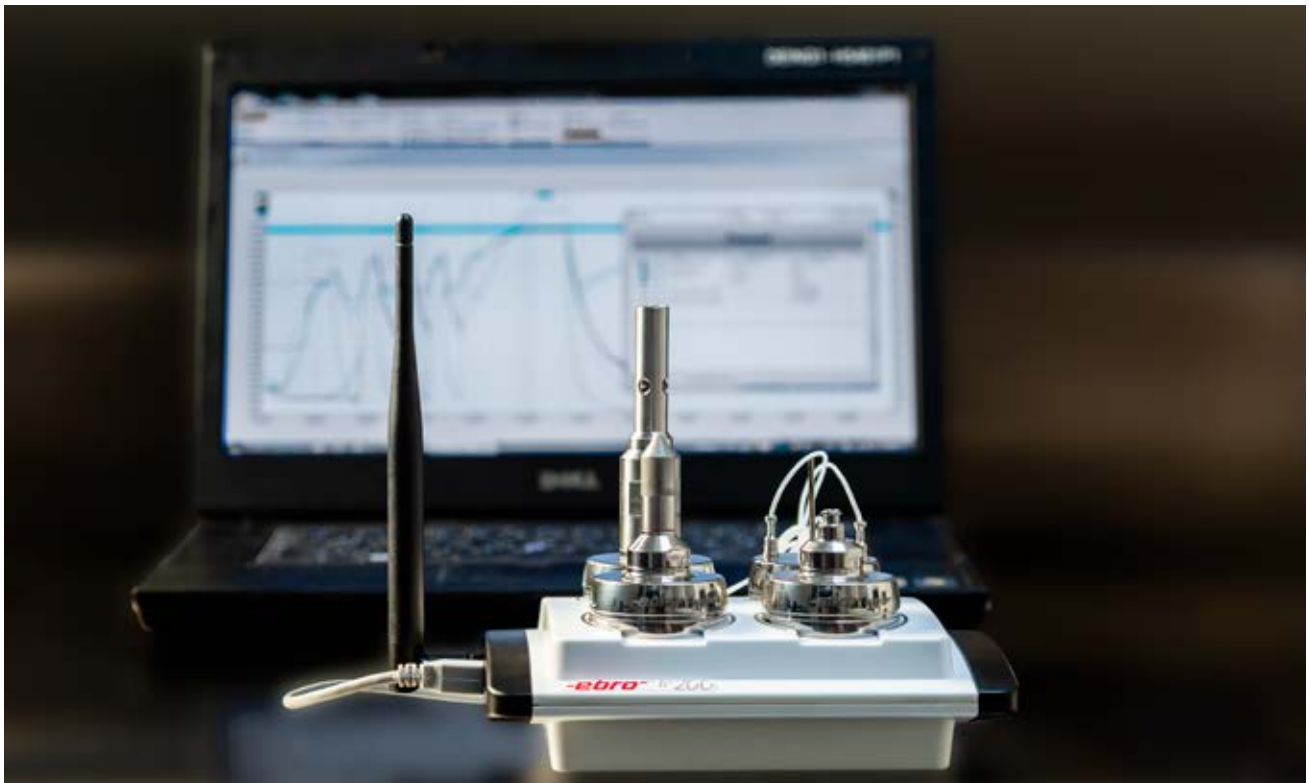
Available Languages	Winlog.pro	Winlog.med	Winlog.validation	Winlog.web
English	●	●	●	●
French	●	●	●	●
Italian	●	●	●	●
Spanish	●	●	●	●
Chinese	●	●	●	●
Japanese	●	●	●	
Korean	●	●	●	
Portuguese		●	●	
Greek		●	●	
Czech	●	●	●	●
Swedish	●	●	●	
Dutch	●	●	●	
German	●	●	●	●
Turkish		●	●	
Polish		●	●	
Norwegian		●	●	

Simplification and support in qualifying the measurement system

Advantages

- Easy installation
- Simple programming of the data loggers, no prior knowledge necessary
- Extensive and customer specific generation of reports
- Suitable for all applications
- Safety through FDA 21 CFR Part 11 conformity

You can buy those to the particular software type additionally.



Design Qualification (DQ)

It is generally necessary to determine for which application a device or measurement instrument is being bought. The Design Qualification proves this exactly. At the same time it has to be noticed which departments have to be taken into account during the purchase.

Installation Qualification (IQ)

After deciding for a type of measurement device it has to be put into operation. Therefore, different examinations have to be done. Firstly, the Installation Qualification is necessary. During this phase it is being examined whether all parts which are important for the installation are there and suit the appropriate requirements. Afterwards steps relevant to the system during the installation will be documented. By using the IQ a safe installation is guaranteed. The system is now ready to use.

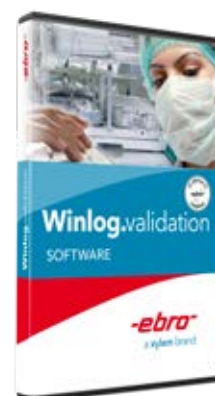
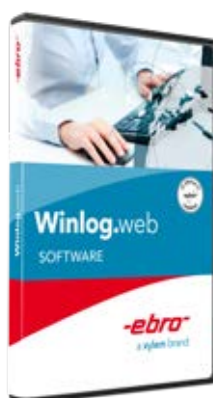
Operation Qualification (OQ)

Now the examination takes place to see if the ebro measurement system works how you want it to. During the Operation Qualification all relevant work or measurement steps are being examined and documented. The Operation Qualification tests all functions of the system carefully. After a successful Operation Qualification the system is ready to use.

Process Qualification (PQ)

The end of the system Qualification is the Process Qualification. During the Process Qualification all parameters for the specific measurement tasks are being set, examined and documented. For easy use and support during the Qualifying of the measurement system we offer IQ / OQ documents in the formats word and excel. You can order the respective IQ / OQ documents to the particular software types. (see following pages)

Available for:



Evaluation Software for Any Applications

Winlog.pro

For the programming and reading of ebro® data loggers and for the evaluation of the measured values, ebro® offers the professional software **Winlog.pro**.

Benefits

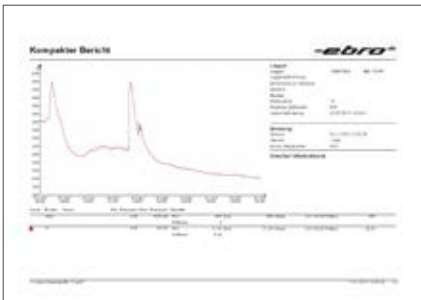
- Easy installation
- Easy programming of the data loggers, no prior knowledge required
- Extensive and custom report generation
- Suitable for all applications
- Security by compliance with FDA 21 CFR Part 11

Extensive Report Generation

The software makes it easy to generate standard and custom reports:

- Compact, one-sided report (1)
- Multi-page, detailed report (2)
- Tabular report with the measurement values (3)
- Insertion of your own company logo possible (4)
- Export data to Microsoft Excel® and PDF (5)
- Integration of pictures and graphics possible (Winlog.pro only) (6)

(1)

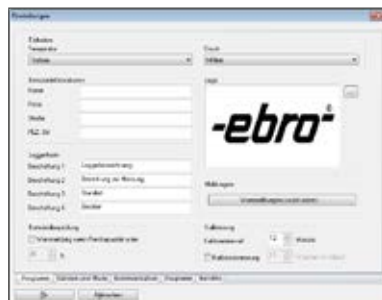


(3)

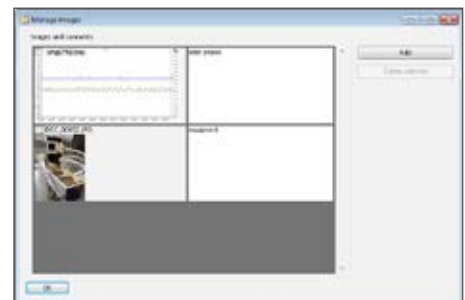
(5)



(2)



(4)



(6)



Winlog.pro Professional software



- Enables real-time monitoring with wireless data loggers
- Formula editor for calculating the F0-value of the absolute humidity, the PE value etc.
- Display of the timeline either absolute or relative
- Customized definition of individual areas possible (with their own statistics and calculations)
- Including calibration tool for data loggers
- Integration of pictures and graphics into reports possible
- IQ/OQ documentation to qualify the system is available



System Requirements

So that the software can run on your computer with any problem, your computer must meet the following requirements:

Hardware Requirements:

- At least 1 GHz processor speed
- At least 1 GB working memory
- At least 1 GB free hard disc space
- USB (Universal Serial Bus)

Software requirements:

- Operating system Microsoft®
- Windows 8 (32 Bit and 64 Bit)
- Windows 10 (32 Bit and 64 Bit)

Type	Description	Part No.
Winlog.pro	Professional evaluation software	1340-2355
IQ/OQ Winlog.pro	Installation and Operation Qualifications for Winlog.pro	1340-2286

Evaluation Software for EBI 25 Data Loggers

Winlog.web

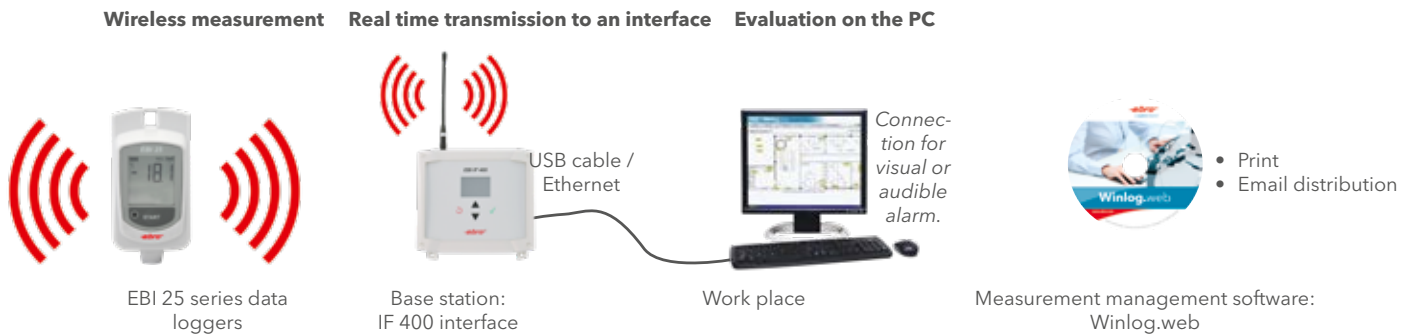
For programming and readout of EBI 25 data loggers as well as for evaluating the measurement values. The software automatically collects and evaluates data and alerts if necessary.

Functionality

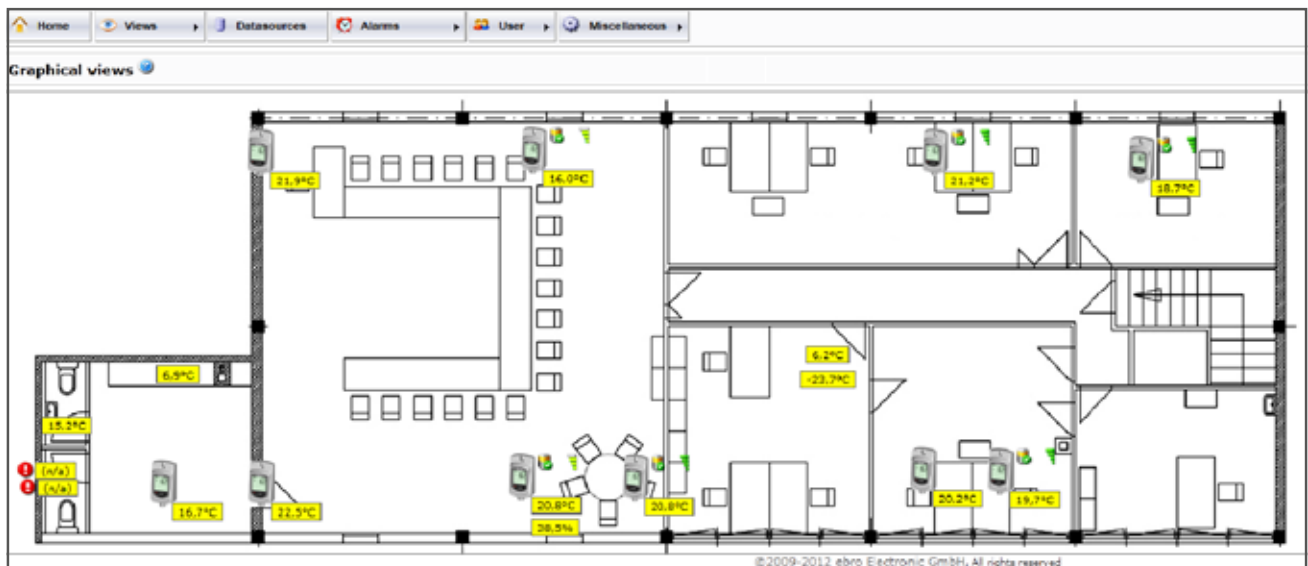
The innovative EBI 25 system monitors wirelessly, transmits the data in real time to an interface (base station) and from there to the desired server or PC.

As soon as a temperature, humidity or any other measurement has exceeded a user defined limit, an alarm is immediately sent via email.

Please find the EBI 25 Data Logger Family starting on page 64.



Quick graphical overview of all measurement points including an image or floor plan view:





Winlog.web

Professional version internet and local network based use



- Web based client/server solution: the measurement data can be evaluated on all PCs and smartphones via the internet or connected to the local network
- Very flexible and wide alarm management: alarm notifications upon user defined conditions, alarm notification via email; visual and audible alarm via the graphical user interface
- Connection of the interface IF 400 via USB and Ethernet
- FDA 21 CFR Part 11 data security functionality
- Management of larger data sets
- IQ / OQ documentation to qualify the system is available

System Requirements

To enable the software to operate smoothly, your computer must meet the following requirements:

Hardware requirements:

- Processor speed minimum 2 GHz
- Working memory 4 GB
- 20 GB free hard disc space
- USB 2.0

Software requirements:

- Operating System Microsoft®
- Windows 8 (32 Bit and 64 Bit)
- Windows 10 (32 Bit and 64 Bit)

Further requirements:

- Mozilla Firefox 3.0
- Microsoft Internet Explorer 11



Type	Description	Part No.
Winlog.web	Evaluation software (web-based server version)	1340-2390
IQ/OQ Winlog.web	Installation Qualification and Operation Qualification for Winlog.web	1340-2290

TÜV certified evaluation Software for Pharmaceutical and Medical Applications

Winlog.med and Winlog.validation

The Winlog.med and Winlog.validation software versions are suitable for programming and readout of ebro data loggers as well as for evaluating the measurement values. The software guides you step by step through the validation or routine control process and evaluates the measurement automatically.

Flexible Report Generation

Whether you need a short process report or a table report with all measurement data - ebro's Winlog software makes it easy.

Table report

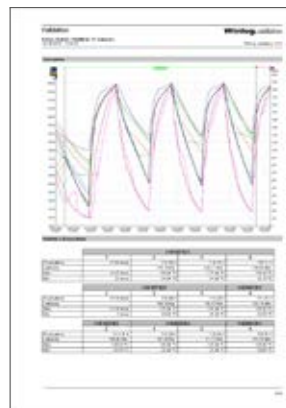
Detailed result overview

Process parameters, e.g. theoretical steam temperature calculation

Lethality report

Equipment used

Graphical data



Statistical data



Winlog.med For routine controls



- TÜV certified
- User-friendly
- High precision measurements
- Automatic report generation
- Automatic user-defined calculations
- Automatic identification of process cycles
- Creation of user-defined masters for specific devices and thermal processes
- Three-dimensional demonstration of sensor placement or placement of the sensors directly on an application image possible
- FDA 21 CFR Part 11

Winlog.validation For routine control and validation



Powerful report and evaluation software fitting the requirements of validation and qualification in Pharmaceuticals and Medicine.

- TÜV certified
- User-friendly
- High precision measurements
- Automatic report generation
- Automatic user-defined calculations
- Automatic identification of process cycles
- Creation of user-defined masters for specific devices and thermal processes
- Three-dimensional demonstration of sensor placement or placement of the sensors directly on an application image possible
- FDA 21 CFR Part 11
- Incl. IQ- / OQ-Documentation for software Qualification
- Automatic evaluation of validation processes

System Requirements

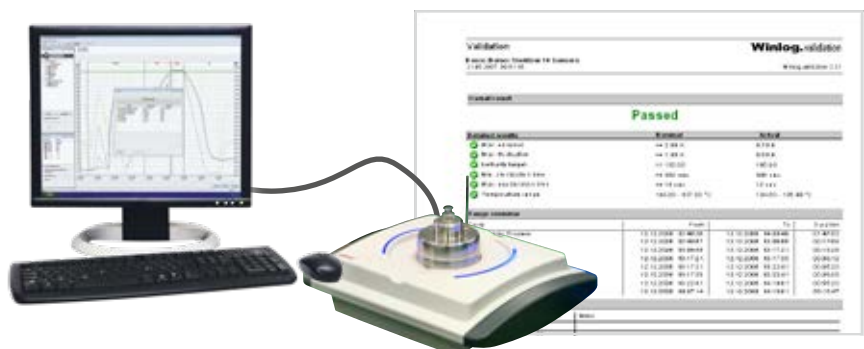
To enable the software to operate smoothly, your computer must meet the following requirements:

Hardware requirements:

- Processor speed minimum 1 GHz
- Working memory 1 GB
- 1 GB free hard disc space
- USB (Universal Serial Bus)

Software requirements:

- Operating System Microsoft®
- Windows 8 (32 Bit und 64 Bit)
- Windows 10 (32 Bit und 64 Bit)



Type	Description	Part No.
Winlog.med	Standard evaluation software for routine controls	1340-2363
Winlog.validation	Professional evaluation software for routine controls and validations	1340-2394